CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

AUGUST 18 1956



Available as

CREAM

LOTION

JELLY

OINTMENT

COMPOUND

CREAM

'Surfathesin' is a surface anæsthetic which acts on damaged or diseased skin and on some mucous membranes. It provides topical anæsthesia for abrasions, burns and certain types of skin lesions, as well as for painful conditions of the rectal, vaginal, bladder and urethral mucosa. 'Surfathesin' is non-toxic and well-tolerated. Sensitisation is extremely rare. Relief is obtained within 5-10 minutes and lasts for from 4-8 hours.

COMPANY LIMITE

BASINGSTOKE

HANTS

for Potter's CATARRH PASTILLES

and CRYSTALLISED CATARRH PASTILLES

THROUGH WHOLESALERS ONLY

BONUS TERMS are available on MINIMUM QUANTITIES of

3 DOZEN

DOZEN TINS OF EITHER VARIETY
OR ASSORTMENT

Wholesale 13/6 per doz. Retail 2/-

One tin in every dozen is FREE!

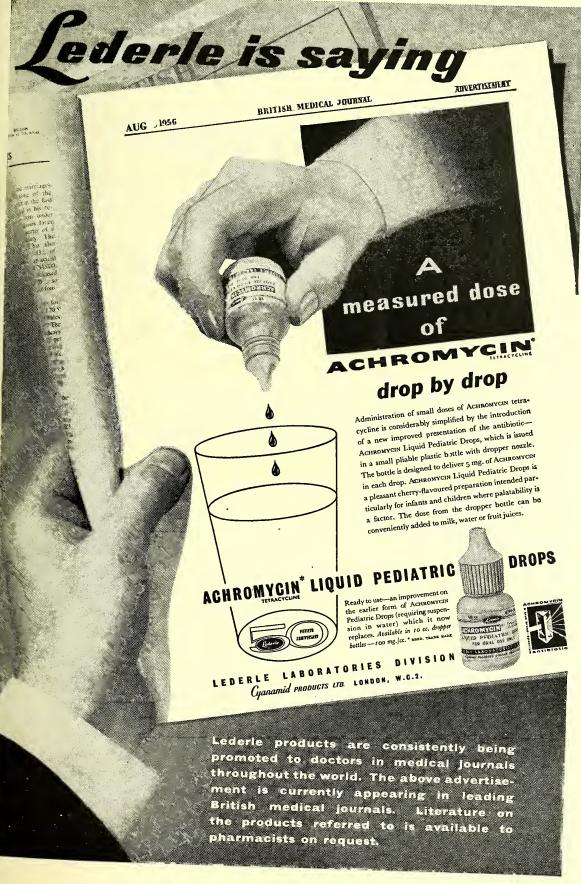
On minimum parcels of 36 tins, you will only be charged for 33, and pro rata for larger quantities.

Operative from SEPT 3rd until NOV 30th



POTTER & CLARKE LIMITED

River Road · Barking · Essex · Tel: RIPpleway 3041







provides calcium aspirin

in pure

and Stable form

The trend of medical opinion in this matter is evident. Soluble aspirin is being prescribed more and more. Solprin meets the increasing need for a soluble form of aspirin of consistently high quality.

Solprin dissolves rapidly in water to form a solution of calcium aspirin that is substantially neutral. It has proved rapid and reliable in its analgesic effect, and is far less likely to provoke the gastric irritation sometimes caused by insoluble forms of aspirin. Solprin is not advertised to the public and is available only on prescription. The claims of Solprinare continuously kept before doctors.



SOLPRIN

Aspirin in soluble, stable form

Available in 500 tablet packs

Solprin is packed in units of 10 tablets (in foil), 50 units to the pack. The N.H.S. basic price for this pack is 12/6. It is available only on prescription and only in Gt. Britain and Northern Ireland.

RECKITT & COLMAN LTD., HULL & LONDON (PHARMACEUTICAL DEPT., HULL)

INCREASED PRESCRIBING

leads to

REDUCED PRICES

Equanil has been extensively prescribed by the medical profession since we first introduced meprobamate into this country last February.

This, coupled with economies we have effected by large scale production in Britain, has enabled us to re-examine prices for this outstanding anti-anxiety drug.

In accordance with the Wyeth policy of promptly passing on economies to our customers, we announce that, as from 16th August, 1956, the new reduced prices for Equanil will be as follows:

Tablets (400 mg.)	Price to Public EACH	Price to Retail Chemist EACH PER DOZ.		
20's	8/-	6/-	72/-	
250's 84/-		63/-	_	
			b	

EXEMPT FROM PURCHASE TAX

EQUANIL

(MEPROBAMATE)

Restores repose safely, effectively, reliably.



The word 'Equanil' is a registered trade mark.

John Wyeth & Brother Ltd., Clifton House. Euston Road, London N.W.1.



Moulded in polythene, in shades of Blue, Pink and Natural, the Ekco PLASTABATH has proved a best-selling baby bath. Baby likes it because it is soft, warm and smooth to his skin and because it's a complete bath right down to the moulded-in trays for soap and sponge. Mother likes it because it is the safest and most convenient (there's a stand, if she wants one) of all baby baths.

Display the popular Plastabath in a prominent position, there are attractive sales-aids available to assist you.

Price 47/3—with stand 71/2

Other fine Ekco Selling Lines

The matching Ekco PLASTAPOT. In warm, smooth polythene. Broad rim provides safe, comfortable seat, not easily upset. Virtually unbreakable, completely hygienic. 7/6

Ekco NON-SPILL MEASURING SPOON

For bathroom, kitchen and medicinal use. Stands level. Can be raised without spilling. Virtually unbreakable, hygienic. In Blue polystyrene. 1/2

Ekco HOTPLATE for table and nursery use, virtually unbreakable, plastic base in red, black, cream or grey. Ideal for keeping baby's drink and food at the right temperature. 22/6



EKCO 'Gold Seal'
DOMESTIC WARE

E. K. COLE LTD EKCO WORKS SOUTHEND-ON-SEA ESSEX

BURROUGH'S ABSOLUTE ALCOHOL

JAMES BURROUGH LTD. 1 CALE DISTILLERY LONDON S.E.11

Calazas SHAVING BRUSHES

BRITISH PHARMACEUTICAL CONFERENCE 1956

Coming to Dublin?

Then rent a new car from MURRAYS

Self drive or Chauffeur driven

MURRAYS CAR RENTALS

BAGGOT STREET BRIDGE DUBLIN
Telephone: 684784 Grams: Muriecar, Dublin
O'CONNELL STREET, LIMERICK
CLONTARF STREET, CORK



(Patented)

PURE LATEX CHERRY or STRAIGHT TEAT.

Ask your wholesaler or write us for your nearest stockist





MODEL No. 16

CARDINAL JUNIOR

No. S.S. 100

Ultra-Violet Lamp

— 158s. 8d. —

Less 25% post free

Write for details from:-

ULTRA VIOLET LTD.

Dept. C.D., 4 Vernon Place, London, W.C.I

August 18, 1956

INDEX TO ADVERTISERS

Acton Pill & Tablet Co., Ltd.	41	Christy, Thomas, & Co., Ltd 6
A.G.S. & Petronic, Ltd	33	Church & Co. (Fittings), Ltd 42
Allen & Hanburys, Ltd	29	Cole, E. K., Ltd
Ayrton, Saunders & Co., Ltd	27	Cow, P. B., & Co., Ltd
		Cox, Arthur H., & Co., Ltd
Bailey, Robert, & Son, Ltd	32	Culmak, Ltd 4
Baker Metal Stopper Co., Ltd	22	Cussons Sons & Co., Ltd Cover iii
Barclay & Sons, Ltd	17	Cuticura Preparations
Beatson Clark & Co., Ltd	12	
Beecham Foods, Ltd	11	Daniel, Richard, & Son, Ltd
Boots Pure Drug Co., Ltd	15	Dixor, Ltd
	10	20
Box, W. H	40	Edme, Ltd
British Cod Liver Oils (Hull & Grimsby), Ltd24,	25	Ephazone, Ltd. 20
	10	isplicate, i.e.
British Dyewood Co., Ltd., The	40	Felling Zinc Oxide Co
	26	Ferris & Co., Ltd
Burrough, James, Ltd	4	Franco-British Glass Co., Ltd
Burroughs Wellcome & Co	30	Fryer & Co. (Nelson), Ltd
Burson Elastic Stockings	38	11701 & Co. (1101001), 214,
5		Gibson, Robert & Sons, Ltd
Cartwright, W. B., Ltd.	5	Glaxo Laboratories, LtdInterleaved Edit., 177
Chemist and Druggist Diseases and Remedies	42	Golden, Ltd
Chemist and Druggist Pharmaceutical Formulas	43	Golden, Etd
Chemist and Druggist Poisons Guide	40	(continued overleaf)
55 11115 2 1150		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

put a good name behind your product



Specimens of the many types of labels available for use on your counter-sale products.

Let us supply you with your own pharmaceutical products, packed and labelled with your name - all laboratory tested at every stage.

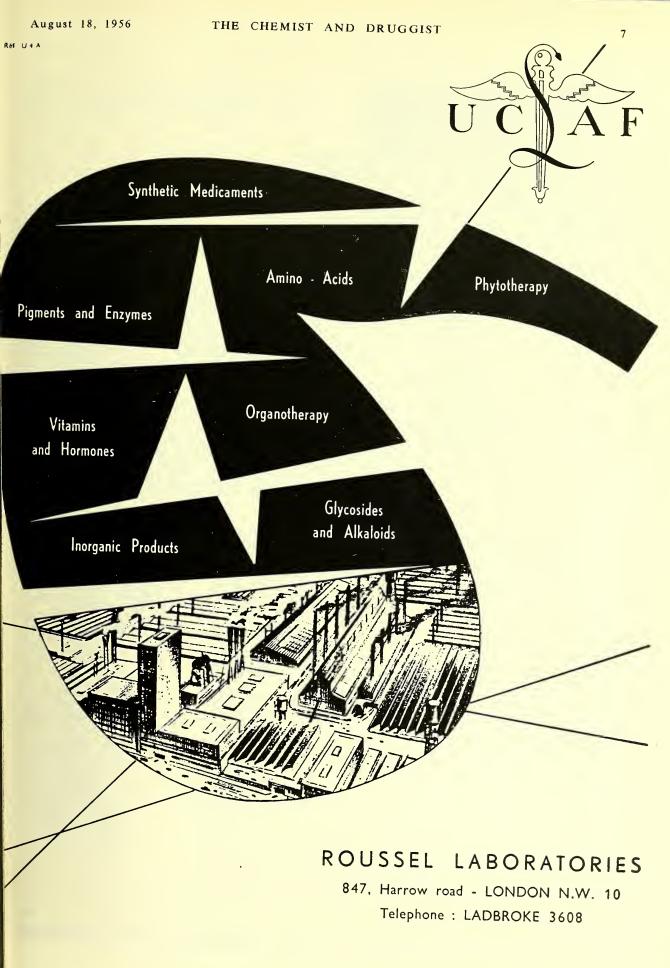
Increase the goodwill of your customers by using our comprehensive pharmaceutical service. We shall be happy to send you price list and samples of our wide range of specially designed labels.

W. B. CARTWRIGHT LTD.,

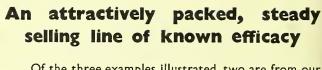
Manufacturing Chemists RAWDON · LEEDS

INDEX (cont.)		Orridge & Co	ion
Graesser-Thomas, H. W., Ltd.	34	Phillips, Chas. H., Chemical Co., Ltd., The	
Hampshire, F. W., & Co., Ltd.	21	Pifco, Ltd	
Hinders, Ltd.	8	Robinson & Sons, Ltd.	
Imperial Chemical (Pharmaceuticals), LtdCover	r iv	Ronson Products, LtdInterleaved Edit., 1	178
International Laboratories, Ltd Leader Pa	age	Rosedale Products, Ltd.	23
I C NOW A C Y I	4.0	Roussel Laboratories, Ltd.	7
Jeffreys, Miller & Co., Ltd.	10	Samuelson, P., & Co.	34
Kearsley, C. & G., Ltd.	40	Scott & Turner, Ltd.	32
Kellys, John (London), Ltd	42	Searle, A. & Co.	
Lastonet Products, Ltd.	44	Skuse & Co., Ltd Leader Pa	
Lederle Laboratories Division	1	'Solprin'	2
Lilly, Eli, & Co., Ltd Front Co	-	Southalls (Birmingham), Ltd	37
	46	Spa Brushes, Ltd.	20
2400440, 00, 110	10	Spencer & Co	32
Macdonald & Son, Ltd	13	Sumner, R., & Co., Ltd	20
Mandleberg, J., & Co. (Rubber), Ltd	36	Thermos (1925) Ltd	22
Manesty Machines, Ltd	45		40
Maylen Manufacturing Co., Ltd	4	, , , , , , , , , , , , , , , , , , , ,	
Menley & James, Ltd.	28	Ultra-Violet, Ltd.	4
Monsanto Chemicals, Ltd	18	Vernon & Co	22
Murrays Car Rentals	4	Washington Chemical Co., Ltd., The	19
Myers, S. I Classified Section	ion	via di migrati de la compania de la	42
New Hygiene, Ltd.	16	Wyeth, John, & Brother, Ltd.	3





UCLAF - 6, rue Monsieur - Paris (7°) - Tél. SEGur 71-33



Of the three examples illustrated, two are from our Chemist's Own Brand range of nine different styles which are designed to display your Own Name and Brand Mark.

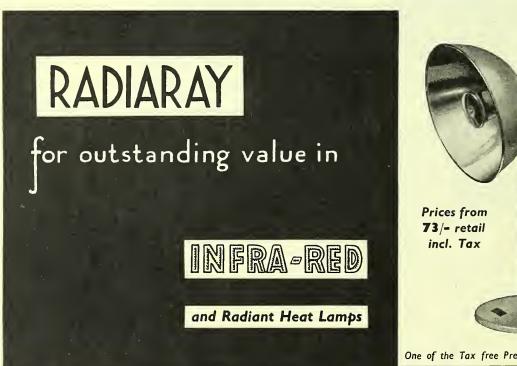
The space for the latter is indicated by the arrows.

ARTHUR H. COX & CO. LTD. BRIGHTON . ENGLAND



RHEUMATIC

TABLETS





One of the Tax free Prescription Models

Illustrated brochure available from Dept. 8, Hinders Limited 174/192 Estcourt Rd., London, S.W.6 Est. 1919



MAJOR It's the latest addition to the Li-Lo range . . . finned (like the original "Airflow") for maximum heat radiation . . . wide-necked for easy filling . . . plus an entirely new feature! The stopper is rubber-covered and absolutely heat-proof.

The "Airflow Major," like the original "Airflow" and the "Junior" bears the seal of the Good Housekeeping Institute—a further proof to your customers of its reliability.

You know how good your sales were of the revolutionary "Airflow"—and how popular it was with your customers Add the "Airflow Major" to your stock and watch it sell!

The "Airflow Junior" is available in pale pink and pale blue; all other Li-Lo bottles in red, blue and green. Every bottle is individually packed.



Serial No. 2260 BRITISH GOOD HOUSEKEEPING INSTITUTE GUARANTEES REFUND OF MONEY OR REPLACEMENT IF NOT IN CONFORMITY WITH THE INSTITUTE'S STANDARDS

JUNIOR 'AIRFLOW': A smaller version of the 'Airflow,' which is ideal for children. In pastel blue and pink.



'AIRFLOW': This original finned bottle giving maximum heat radiation with perfect comfort.



ROSVENOR A moulded ubber bottle of standard hape. No. 3 size only.



LANCASTRIAN: A bottle of popular shape, available in Nos. 2 and 3 sizes.



BALMORAL: A heavy quality bottle, at a competitive price. No. 3 size only.



BERKELEY: A rubber bottle of contemporary design, in No. 3 size only.

rom your usual wholesaler or direct from:—

. B. COW & COMPANY, LIMITED, 12 HAY HILL, BERKELEY SQUARE, LONDON, W.1.

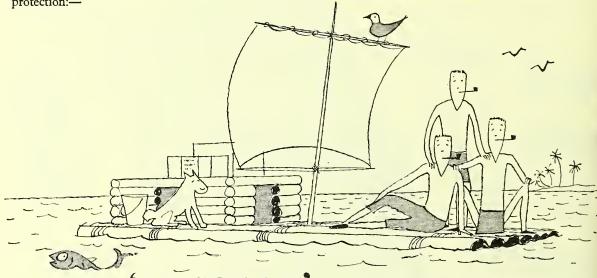
TRAVEL FREE of travel trouble

Whatever the mode of travel Ancolan Tablets will ensure freedom from travel sickness.

Consider these points when recommending travel protection:—

- A single dose of Ancolan is effective for 24 hours.
- Ancolan does not cause drowsiness.

• Ancolan may safely be given to children.



'ANCOLAN'

TABLETS OF MECLOZINE DIHYDROCHLORIDE

Travel-pack of 10 tablets — Trade 1/8 Retail 2/6 Bottle of 25 tablets — ,, 3/8 ,, 5/6 also in bottles of 250 tablets.

THE BRITISH DRUG HOUSES LTD., LONDON N.I





ITONA SUGAR CANE MOLASSES

packed in glass jars for convenience and better protection

available in various sizes

SELLING AGENTS

Jeffreys, Miller and Co Limited

Leyland Mills Wigan also at 19-25 Brookside Road Upper Holloway London N19 Made from the richest fruit of the garden-blackcurrants



BRITAIN'S MOST POPULAR BLACKCURRANT TONIC DRINK Rich in natural vitamin C

- ★ Ribena fights fatigue
- ★ Ribena fights colds and 'flu
- ★ Ribena helps build red blood cells
- ★ Ribena helps build bones and teeth



<u>Filanian pandan panda pa</u> COLOURFUL RIBENA DISPLAYS



***Single Bottle Stand**

*Bottle Crowner

Use these displays to sell Ribena. And sales will go up by leaps and bounds!

Stock · Display · Sell!

Ribena the blackcurrant vitamin c health drink





The Beatson Tablet

- **★** Distinctive SQUARE Shape.
- ★ Black Plastic or White Enamelled Caps.
- * Reasonable in Price.
- **★** Prompt Despatch from Stock.
- ★ Available in the following sizes:— $\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{2}$ $1\frac{3}{4}$ 2 $3\frac{1}{2}$ oz.

"The Sign of a



Good Bottle"

Suggested Packs :--

 $\frac{1}{2}$ -oz.—25 Aspirin.

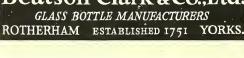
1-oz.—50 Aspirin or 25 Codeine.

13-oz.—100 Aspirin or 50 Codeine.

31-oz.-100 Codeine.

Beatson Clark & Co., Ltd.

GLASS BOTTLE MANUFACTURERS



















SUPPOSITORIES

FOR DISPENSING PURPOSES

THE VERY EASILY REMOVED LABEL, LEAVES

AN ELEGANT PACKAGE BEARING

NO PRINTING WHATSOEVER

Supplies can be obtained through most wholesalers

Manufactured

and Packed in the

Laboratories of

RICHARD DANIEL & SON LTD.

MANSFIELD ROAD, DERBY. Tel: 48266 (4 lines)

And at GROSVENOR STREET, ASHTON-U-LYNE.

Tel: 2816 (3 lines)

SPECIAL WRAPPING PAPER OFFER



On quantity orders for Counter Rolls, Sheet Wrapping Paper, and Dispensing Parchment, you can obtain the following discounts under our special offer:

5% counter rolls

Swedish pure kraft or sulphite: any size or sizes.

5 on FIVE REAMS of WRAPPING PAPER

(sheets, $20'' \times 30''$), or ten reams ($15'' \times 20''$); kraft or coloured sulphite.

5% on DISPENSING_£6
PARCHMENT order

These are papers of the best quality, and representative of our extensive selection for the pharmacy:

GREEN STRIPES ARE POPULAR!

To our wide range of printed counter satchels has been added a new green-striped series in four sizes—a very popular line, competitive in price. Your own name can be printed at small extra cost on three of the sizes. Samples and details on request.

FOR THE HOLIDAY SEASON

—the attractive No. 3 Certor Counter Satchel in photogravure $(5'' \times 7'' \times 9\frac{1}{2}'')$.

If it's paper or made with paper

you can get it from

MACDONALD'S of MANCHESTER

NOTE NEW ADDRESS

MACDONALD & SON LTD · PORTLAND MILL · ASHTON-UNDER-LYNE · LANCS.

Telephone: Ashton-under-Lyne 4422 (10 lines)

Greatest success yet in the fast expanding Hair Colouring field!



Sales of COLOR-GLO have exceeded all expectations. There is no doubt that COLOR-GLO advertising — directed at women who have never dared to use hair colouring before — is creating an entirely new market for hair colouring products.

COLOR-GLO is bringing sales to chemists all over the country—results since launching have been phenomenal. Don't hesitate to order adequate stocks. COLOR-GLO users do get the results they are promised. That means they will come back again and again—on the average at least six times a year. This will represent new business—an addition to your turnover. For most COLOR-GLO users are trying out a new kind of product—one they have never bought before.

COLOR-GIO Lasts through 6 to 8 shampoos TRADE HARK

most attractive full colour packs and link up with the all-the-year-round big space advertising appearing in Woman Woman's Own and women's monthly magazines.

Display these

Retail price 4/6 per bottle. Trade price 22/6 per dozen. plus 90% tax.

From your usual wholesaler or from:

GOLDEN LIMITED, 7 GROSVENOR STREET, W.I.

Telephone: HYDe Park 1671/6

Trade Enquiries for the Republic of Ireland should be addressed to: Lilmar Pharmaceuticals Limited Santry, Dublin

ANNOUNCING

HYDROMYCIN

- Boots Pure Drug Company Limited are pleased to announce the availability of Hydromycin Ointment and
- Eye/Ear Ointment. Hydromycin combines the antiinflammatory properties of hydrocortisone acetate with
- the wide spectrum anti-bacterial activity of neomycin sulphate.

OINTMENT

- (Hydrocortisone acetate 1%, and neomycin sulphate 0.5%)
- Available in Tubes of 5G ... Basic N.H.S. price 6/2d. Available in Tubes of 15G ... Basic N.H.S. price 15/7d.

EYE/EAR OINTMENT

(Hydrocortisone acetate 1.5%, and neomycin sulphate 0.5%)

Available in Tubes of 3G ... Basic N.H.S. price $8/4\frac{1}{2}d$.

Detailed literature will gladly be sent on request.

Available from your usual wholesaler or from Wholesale Division of

BOOTS PURE DRUG COMPANY LIMITED · STATION STREET · NOTTINGHAM

TEL. NOTTINGHAM 45501 OR 71 FLEET STREET LONDON E.C.4 TEL. FLEET ST. 0111





Scentinel

RANGE OF HOME FRESHENERS

A quick selling line you will be proud to display with SPECIAL INTRODUCTORY BONUS TERMS

*



"QUIFF" A fragrant germicidal spray that freshens and purifies the air, clearing rooms of smoke and cooking smells. Useful in the kitchen, bathroom and sick-room.

Quiff is sold in an attractive polythene spray bottle for 3/6. Refills 1/6.

QUIFF SET. The charming carton containing a spray bottle and refill makes an effective counter display. With the colourful crowner, a single bottle can also be profitably displayed. The striking showcard features the new Scentinel motif.



SWISH The newest, neatest trick in hygiene fixtures. Swish toilet bowl attachment is now made of moulded polythene. The cone-shaped end fits under the rim of the toilet bowl and a Swish chemical block is hung on the hook. The bowl is cleansed, deodorised and disinfected every time it is flushed.

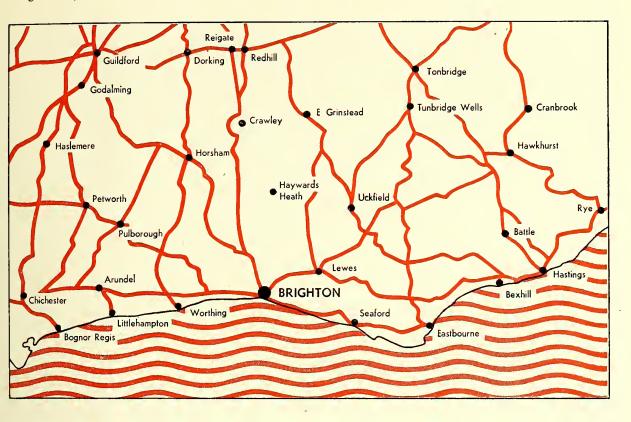
Swish block and attachment are packed in an attractive box, with an explanatory leaflet, at 1/6.

There is also a beautifully designed display box containing 12 Swish packs. Another contains 36 refill blocks, at 9d each. An eye-catching showcard features the product and Scentinel trade-mark.



EVERYBODY WILL BE NOTICING the Scentinel range—displayed in your shop, advertised in the National Magazines, Good Housekeeping and Housewife — prominently featured at exhibitions all over the country. Be ready for a heavy demand!

Write for full details NEW HYGIENE LTD., 266-268 HOLLOWAY RD., LONDON, N.7



speedy and immediate service from **BARCLAY OF BRIGHTON**











Orders can be met from stock for Pharmaceuticals and Proprietaries. Our new express delivery service caters for your urgent needs and our new telephone order system ensures your orders are executed with the minimum of delay or inconvenience.

BARCLAY & SONS LIMITED

WHOLESALE CHEMISTS ESTABLISHED 1770

37-39 DEVONSHIRE PLACE . BRIGHTON 1 . BRIGHTON 29184



IN THE SERVICE OF YOUR INDUSTRY

... with a range of products including ...

Acetylsalicylic Acid B.P. . Methyl Salicylate B.P. Vanillin · Salicylic Acid B.P. Salicylic Acid (technical) · Salicylamide Sodium Salicylate B.P. · Phenacetin B.P. Benzoic Acid B.P. · Sodium Benzoate B.P. Phenol B.P. · Phenolphthalein B.P.

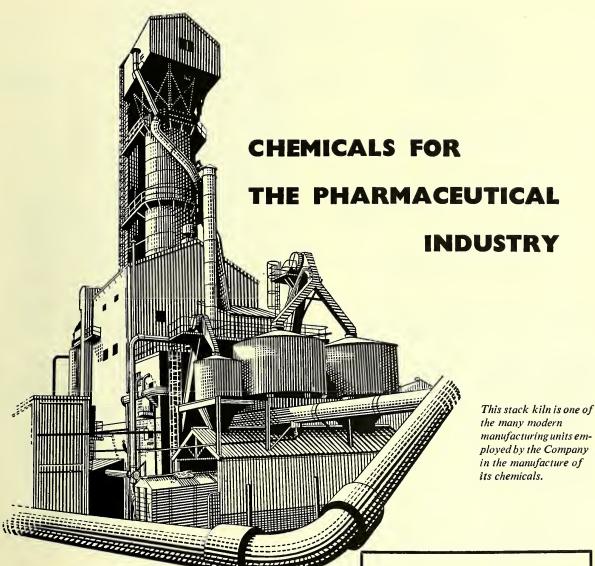
Write for full details to:

MONSANTO CHEMICALS LIMITED

40 Monsanto House, Victoria Street, London, S.W.1 and at Royal Exchange, Manchester, 2.

In association with: Monsanto Chemical Company, St. Louis, U.S.A. Monsanto Canada, Ltd., Montreal. Monsanto Chemicals (Australia) Ltd., Melbourne. Monsanto Chemicals of India Private Ltd., Bombay. Representatives in the world's principal cities





IT IS NOW OVER A HUNDRED YEARS since we initiated the Pattinson process to extract magnesium carbonate from magnesian limestone. The experience gained during this time has been applied to improved plant design and operation so as to combine great expansion with close quality control. Our present first-class research facilities are always available to any manufacturer requiring technical advice on problems concerning the uses of our chemicals.

Here is a list of the chemicals we manufacture for the pharmaceutical industry.

- LIGHT AND HEAVY MAGNESIUM CARBONATES B. P.
- LIGHT AND HEAVY MAGNESIUM OXIDES B. P.
- MAGNESIUM OXIDE LEVISSIMA
- MAGNESIUM HYDROXIDE B. P. C.
- MAGNESIUM TRISILICATE B. P.

Full information in the form of technical bulletins is available on request.

THE WASHINGTON CHEMICAL CO. LTD.

A member of the TURNER & NEWALL ORGANISATION.

WASHINGTON · CO. DURHAM · ENGLAND



-The Gift that's always in Season



This Spa set retails readily at 21/9 but costs you only 16/- including purchase tax.

This is just one of the many big profitmaking opportunities offered you by Spa. Spa have a special Christmas brush set to suit every purse and the retailer gets his full margin.

Ask your wholesaler for full details of these value-for-money gifts.





The fireman's task is always urgent, frequently dangerous, yet his devotion to duty has earned for the fire services a reputation for unfailing service in time of need. Sumner's are proud of their reputation for speedy, accurate service as suppliers of drugs, galenicals, dressings, instruments and proprietaries

Sumner's

THE NAME FOR SERVICE

R. SUMNER & COMPANY LIMITED

HANOVER STREET · LIVERPOOL

FITZALAN ROAD · CARDIFF

\$17

SANCTIONED ON N.H.S. PRESCRIPTIONS (FORM E.C. 10)

EPHAZONE

tablets

The rational, symptomatic remedy for bronchial spasm in

ASTHMA & BRONCHITIS

This preparation is not advertised to the genera, public,

CONTAINING IN EACH TABLET:

Ephedrine ½ grain
Theobromine ½ grain
Phenazone I grain
Calcium gluconate ½ grain.

EPHAZONE LTD

59 BROOK STREET, LONDON, W.I. Telephone: MAYfair 5496.

All eyes on LOXENE in the DAILY EXPRESS & page

LOXENE is doing wonders for our hair



At last I've found the answer to dandruff and the troubles it causes

YOUR HAIR NEEDS THE RADIANCE OF HEALTH
TO GIVE IT THE GLEAM OF BEAUTY

Healthy hair is inconsisted clean hair—feer from all in slirt, germs and inconsistent that it collects every a function, combining sulptreamment and inconsisted removes all traces of dirt, makes has calle clear, so that the tetrarii oils o un normally. Assessalt,





BIC ECONOMY BOTTLE 8 SHAMPOOS FOR 1'10

MEDICATED SHAMPOO AND SCALP CONDITIONER

takes good care of the family's hair

The half page advertisement that over 11 million people

Will See . . . 1956 sees Loxene making big news with this impressive and "unmissable" half page going out to over 11 million readers of the Daily Express. This is just one section of the great nation-wide campaign for Loxene - which will increase still further the amazing popularity of this most effective medicated shampoo and scalp treatment.

The success story of Loxene circulating to millions of people will be a success story for you too — everyone will be asking for Loxene, in the new single treatment sachet at 7d., or the "family size" bottle containing 8 shampoos for 1/10.

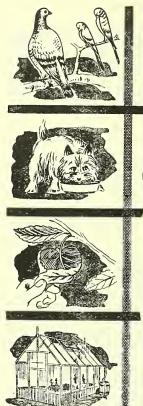
Order now - and gear your profits to this terrific sales drive!

F. W. HAMPSHIRE & CO. LTD., SUNNYDALE, DERBY

Loxene makes news everywhere

Linking with the "Daily Express" campaign are dominating spaces in Britain's largest circulation national newspapers and women's and general magazines, plus frequent, hardhitting spots on Commercial T.V.

MEDICATED SHAMPOO AND SCALP TREATMENT



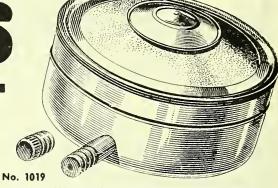
BMS



No. 295

2½" wide x 1¼" deep, In cartons containing I doz, with attractive coloured label.

Sample ond prices on application.



4" wide x 1½" deep. In cartons containing six for window or counter display.

Insect Powder Bellows

One-handed action—leaves the other hand free to uncover pest's hide-outs, thus giving maximum destroying power. Every puff can be made to count. Robust construction, light and easy to handle, mechanically foolproof, no parts to go wrong. Easily and quickly recharged. Indispensable to Horticulturists, Dog Breeders, Bird Fanciers, Hotel and Restaurant Kitchens, in the Home and wherever insect pests breed.

BAKER METAL STOPPER COMPANY LIMITED.

HADLEY STREET, KEY HILL, BIRMINGHAM, 18

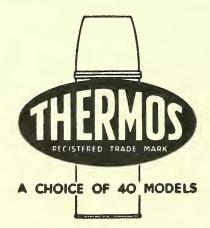
Telephone: NORthern 3931-2 Telegrams; "Screwtop" Birmingham, 18

By Appendment to H.M. The Queen



Manufacturers of Vocuum Verry

THERMOS = $40 \times PROFIT$



Flasks

Jugs

lars

Bowls

Dewar Vessels

Thermos (1925) Limited · Seymour Rd., London, E.10
Phones Laytonstone 4061-4

Cables: Thermos, London





When customers need Prestoband—they need Prestoband: there's nothing quite like it. More than a bandage, not a plaster—Prestoband provides a quick, neat dressing that allows the skin to breathe and helps the wound to heal. And it comes off as easily as it goes on: no painful tugging, no unpleasant sticky mess. Customers who know Prestoband, will demand it—any who don't, will thank you for recommending it.

PRESTOBAND

THE ANTISEPTIC SELF-ADHESIVE BANDAGE Sticks to itself, but NOT to the skin!

Generous trade terms. Packed in attractive counter display outers. 3 widths: 2'', 1'' or $\frac{5}{5}''$ at 1/6, 9d, or 7d a 4-yard roll.

MADE BY VERNONS OF PRESTON SOLE DISTRIBUTORS IN THE U.K.AL FASSETT & JOHNSON LTD., 86 CLERKENWELL ROAD, E.C.I AND IN EIRE FASSETT & JOHNSON (IRELAND) LTD., 6 CROW STREET, DUBLIN

NEW





Thanks!

your

response for

NEW Resedale

has temporarily overwhelmed us...



but we are increasing production to meet the huge demand Future deliveries will now take from seven to ten days



Rosedale Lanospray is not a lacquer—

It leaves the hair soft and lustrous

ROSEDALE PRODUCTS · BIRKBECK ROAD · E.8



THE NATURAL WAY TO KEEP SALES HEALTHY TOO

Starting October, a new advertising campaign punches home sales for SevenSeaS Cod Liver Oil. Bold, 'cannot-be-missed' advertisements in the National Dailies and Sunday Papers, in the National Weeklies and Women's Magazines, will tell the public everywhere that 'SevenSeaS Cod Liver Oil Builds Health Naturally'. This is the main weight of the attack. In support there are special window displays — and a new COUNTER SALES AID, specially designed for SevenSeaS new HANDY-PACK DISPENSER.

> Seven Seas IN BOTTLES PURE COD LIVER OIL

BRITISH COD LIVER OILS (HULL & GRIMSBY) LTD., ST. ANDREW'S DOCK, HULL





Now nationally advertised!



in all important National Newspapers and Sports
Journals with a total circulation of over

51,000,000

telling your customers to help themselves to energy with 'Dextrosol' Glucose Tablets

for extra business-

In packets of 16 tablets $10\frac{1}{2}$ d. and 8 tablets 6d.

Also DEXTROSOL Powdered Glucose in 1 lb. and $\frac{1}{2}$ lb. packets—2 '9d. and 1/6d.

Get Yourosol
Di Tradis
Di Utose Inalis
Gorinstant energy

(10 10)

DISPLAY

DEXTROSOL

GLUCOSE

TABLETS

Now!

HADE BY THE PHARMACEUTICAL DIVISION OF BROWN & POLSON LIMITED





Hot Water Bottles

	Cost per	
	dozen	each
The "Ayrglow" 2 quart	51/6	6/3
The "Ayrglow" 3 quart	57/-	7/-
The "Ayrglow" 3 qt. with handle	60/-	7/6
The "Ayrton"	53/-	6/6
"Comfy"	56/-	6/11
Hand Made	111/-	12/6



Hyrtons

Hot Water Bottle Display Stand
Price 6 gns. complete

This versatile Display Unit has all-the-year-round usefulness, for the 48 sliding hooks and the capacious baskets will display to advantage, in the smallest possible space, a great variety of goods. Order now—for prompt delivery.

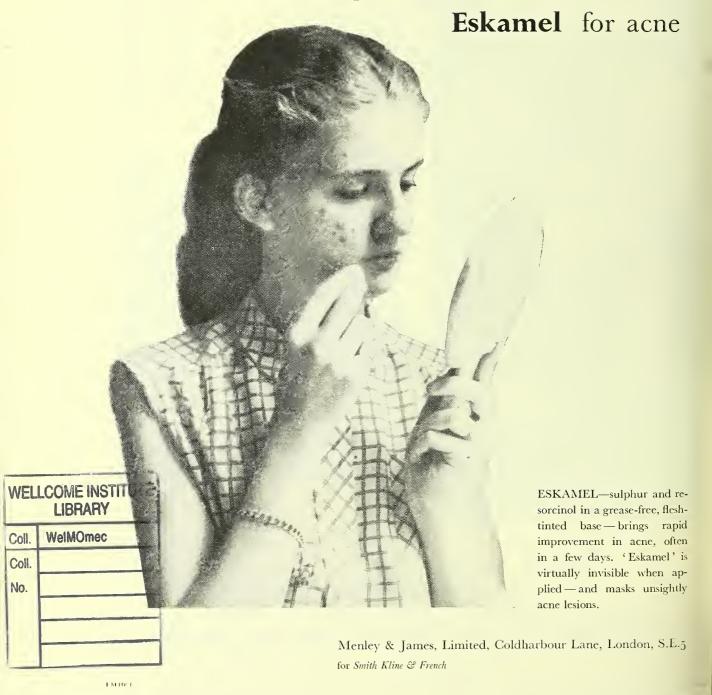
AYRTON SAUNDERS

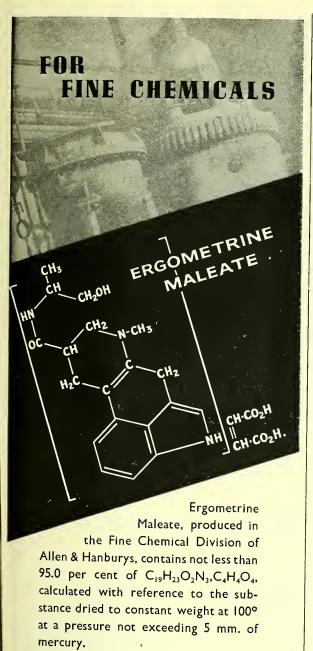
HANOVER STREET · LIVERPOOL

Telephone Royal 8282

unhappiness embarrassment insecurity

the cruel companions of acne





ERGOMETRINE

MALEATE





CHEMIST RUGGIST

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 166

August 18, 1956

No. 3991

CONTENTS

Aids to Productivity	• • •	166	
Artificial Light Photography—5	• . •	174	
Correspondence		163	
Developments in United States		167	
Facile Est Inventis Addere (vers		176	
Herb Crops, 1956		180	
Leading Articles:—		160	
Call for Clear Thinking on E	7thing	1.00	
		169	
Lighting and Heating	• • •	165	
New Films and Filmstrips		173	
Onward from Galen		170	
Pharmacy at Bristol Royal Infir	mary		
—II		171	
Photographic Notes		166	
Shopfitting Problems		175	
Topical Reflections		161	
World Trade			
world frade	* * *	181	
A Locum's Life 170 News in Br			
A 701		161	
	e Week	159	
est i	* * •		
		163	
	nges	182	
C	ublicity	182	
	l. o	161	
	KS	181	
New Companies 162 Trade Not New Products 164 Trade Repo	es	164	
Trade Repo	ш	1/9	

INDEX TO ADVERTISERS, Pp. 5 & 6.

EDITORIAL AND PUBLISHING OFFICES

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telephone: Central 6565

Telegrams: Chemicus, Estrand, London

Branch Offices:

BIRMINGHAM, 2: 111 New Street

Phone: Midland 2921

GLASGOW: 35 Kingslynn Drive, LEEDS, 16: 32 Wynford Rive.

King's Park, S.2.

West Park. Phone: Leeds 61.8438

Phone: Langside 2813

ANNUAL SUBSCRIPTION, which includes The Chemist and Druggist Diary and Year Book, £2. Single copies one shilling each.

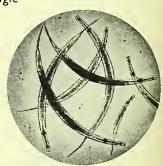


Children like it... worms don't

One week's treatment with 'Antepar' Elixir is usually sufficient to eradicate threadworms. A single dose clears roundworms from the gut. Effective without fasting, purging or supporting measures,

'Antepar' acts by paralysing the worms—they are then expelled by normal peristalsis.

'Antepar', the original elixir of piperazine, is well tolerated by patients of all ages. Its pleasant taste is popular with children. Containing piperazine citrate equivalent to 500 mgm. of piperazine in each fluid drachm, 'Antepar' is supplied in bottles of 4 fl. oz. and 20 fl. oz.



'ANTEPAR' ELIXIR

BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

AUCKLAND BOMBAY BUENOS AIRES CAIRO DUBLIN JOHANNESBURG KARACHI MONTREAL NAIROBI NEW YORK RIO DE JANEIRO ROME SYDNEY

CHEMIST AND DRUGGIST

Volume 166

AUGUST 18. 1956

No. 3991

Key Industry Duty

AMENDMENTS TO LIST

UNDER an order S.I., 1956, No. 1256, a number of amendments are made to the list of chemicals liable to Key Industry Duty.

p-Acetamidophenol and phthalic anhydride (which was exempted from Key Industry Duty by a previous Order expiring on August 18) are exempted from the Duty until November 18.

Exemption from K.I.D. of all other

Exemption from K.I.D. of all other articles exempted from that duty by previous Orders which expired on August 18 is continued until February 18, 1957, with additions and deletions as follows:—

ADDITIONS

Crotonaldehyde, the aldehyde content of which calculated as crotonaldehyde does not exceed 94 per cent., by weight. 2:6-Dimethylheptan-4-ol

Diphenyldichlorosilane Ethyl n-amyl ketone

Ethyl β-3:4-dihydroxyphenylpropionate (an ethyl ester)

Ethyl sodioacetoacetate (an ethyl ester)

Ethylene glycol monomethyl ether acetate

(an ethylene glycol ether-ester)

nono-n-Heptylamine -Mercaptopropane-1:2-diol

:2-Mercurioxy-4-nitrotoluene (a mercury compound)

ono-3-Methoxy-n-butyl alcohol

ebacic acid
-Tolidine

DELETIONS

erium oxide, pure tertButylcatechol Cresol

thylorthoformate (an ethyl ester) Naphthol

peronylic acid orbitan monolaurate; monopalmitate; monostearate; and *tri*stearate

neophylline
4-Xylenol

Copies of the Order are obtainable om H.M. Stationery Office, price fivence each.

New British Standard

SYMBOLS FOR FRAGILE GOODS

X symbols aimed at reducing dame to goods in transit are incorporated a new British Standard (B.S. 2770). us the conventional wording: ragile — handle with care," is exseed by the stylised symbol of a nder-stemmed wine-glass. The other rks recommended in the standard: "Use no hooks—do not punca," "This way up," "Keep cool—w away from boilers," "Sling here," leavy weight this end." It has been posed that the International Organ-

isation for Standardisation should also study the subject with a view to preparing internationally acceptable recommendations. The recommended symbols are illustrated in the form of stencil markings so that they may provide a basis for the manufacture of suitable stencils. Copies of B.S. 2770 are available from the British Standards Institution, 2 Park Street, London, W.1, price 3s. each.

Trade with Egypt

BOARD OF TRADE STATEMENT

THE Board of Trade issued the following circular on August 10 to firms and trade associations who are subscribers to the Board's Special Register Information Service: "Traders are advised that payment is not being made out of blocked Egyptian sterling accounts for goods exported to Egypt other than for goods delivered or shipped on or before July 27 and for goods in respect of which confirmed bankers' credits had been established on or before that date. There is no prohibition of exports to Egypt other than of arms and warlike material though export licences continue to be required for certain kinds of goods."

TABLET IDENTIFICATION

REPRINTS of the "Guide to the Identification of Coloured and Marked Tablets," published in THE CHEMIST AND DRUGGIST Annual Special Issue, June 30, are now available.

For additional convenience and speed of reference the key has been rearranged in columns. The set of four sheets, size 14 x 10 in., is priced, on art paper, at 1s. 6d., post free; or mounted on strawboard, eyeletted and corded, at 5s., post free.

Orders, accompanied by Postal Order or cheque for the amount involved, should be sent to

The Circulation Manager,

The Chemist and Druggist, 28 Essex Street, Strand, London, W.C.2.

Cosmetic Chemists

FIRST DIPLOMAS AWARDED

THE following candidates were successful in the third year diploma examination of the Society of Cosmetic Chemists, and have been awarded the diploma of the Society:—Mr. F. W. Bellairs, Miss E. Champion, Messrs. R. Matthews, F. S. Petts and R. A. Sinclair. The diplomas, which carry with them a qualification for admission as associate members of the Society, are the first to be awarded in accordance





LEGISLATIVE JUBILEE: To mark the fiftieth anniversary of the passing of the (Federal) Pure Food and Drugs Act in the United States, a special commemorative stamp was issued and the major drug companies added their own celebration by sending out specially designed cards as illustrated, with special franking, part of which is reproduced at left. with an educational scheme launched by the Society three years ago to provide junior chemists, research assistants and technical workers in the industry with a sound technical training. A new session of evening classes for the diploma is opening at Acton Technical College, London, W.3, in September.

Brush Industry

PRODUCTIVITY COUNCIL'S REVIEW

A REVIEW of the British brush industry recently issued by the British Productivity Council says that one of the industry's biggest problems is the apparent reluctance of the British, as compared with other English-speaking races, to replace worn-out brushes. Annual expenditure per head of the population on brushes is very much lower in Britain than in the Dominions and in America. British manufacturers have given much consideration to possibilities of widening their market, but the industry already sells overseas about 15 per cent, of its total output. The increasing severity of competition in the export field and the effect of political decisions abroad would make any increase difficult. schemes have been put forward at various times for group action to make the British public "brush-conscious," but the high cost of public relations and advertising campaigns renders them almost prohibitive to an industry of small firms. The review concludes that the brush industry is going through a period of change which may well gather momentum during the next few years. It is probable that a more unified and efficient industry will emerge. In the meantime much progress has been made by many firms towards better use of existing resources and available capital. The biggest need in the industry today, says the review, is for a wider exchange of ideas between firms. The measures to promote better co-operation under-taken by the British Brush Manufac-turers' Research Association are among the most valuable developments in the industry. In those and similar projects lies the best hope for the future. Copies of the review are obtainable from the British Productivity Council, 21 Tothill Street, London, S.W.1, price 2s. 6d.

Purchasing Officers

1956 NATIONAL CONFERENCE

THE 1956 national conference of the Purchasing Officers Association is being held at Scarborough, September 27-30. Addresses being given include "International Horizons for Purchasing," by Stewart F. Heinritz (editor of the American magazine Purchasing); "The Price Aspect of Purchasing by Mr. W. A. M. Edwards (purchases controller, Imperial Chemical Industries, Ltd.); "Productivity and the Purchasing Value of the £" (discussion between Mr. E. W. Hancock (president, Institution of Production Engineers), Mr. L. Murray (secretary, research and economic department, Trades Union Congress) and Mr. Andrew Allan (manager, Scottish Branch of the Industrial and Commercial Finance Corporation); "Buying and the Modern Arts of Display" by Sir Stephen Tallents (president,

Design and Industries Association). There will be three sectional meetings on the "Problem Materials," copper, oil and paper, the first being dealt with by Mr. T. B. Henderson (director, Brandeis, Goldschmidt & Co., Ltd., and formerly buying manager, non-ferrous metals, Imperial Chemical Industries, Ltd.); and the second by Mr. H. C. Hawkins (president, Combustion Engineering Association). The Conference will end with the Swinbank lecture, "The Challenge of the Future" by Mr. P. T. Appleby (purchasing agent, John Harper & Co., Ltd.). An "exhibition digest" being held in conjunction with the conference includes more than 130 displays by firms representing all sections of British industry. A judging panel headed by Sir Stephen Tallents will select the best displays from among those exhibited.

Analytical Chemistry

LECTURES ON NEW METHODS

A SERIES of ten lectures by Dr. A. K. Holliday (lecturer in inorganic and physical chemistry, Liverpool University) on recent advances in analytical chemistry is being held by Liverpool University, department of extra-mural studies, at the inorganic chemistry department, Crown Street, from 5.30 to 7 p.m., on Tuesdays, from October 9. The use of instrumental methods is being stressed, and some new reagents and their applications are being considered. The syllabus includes: Recent applications of colorimetry and spectophotometry, including photometric titrations, flame photometry and fluorimetry; spectroscopy and spectrometry, especially infra-red, micro-wave and radiofrequency spectroscopy; electro-analytical methods, particularly polarography and inverse polarography, coulometric and pulse coulometric methods, and frequency titrations; chromatography and electro-chromatography; the chromatography of gases and vapours; titrations in non-aqueous solvent; new reagents and their applications. Among additional topics which may be chosen to suit the needs of those enrolling are: Ion-exchange and chelating resins; mass spectrometry; extraction methods; the use of radio-isotopes; x-ray diffraction; gas analysis.

Retail Sales

BOARD OF TRADE STATISTICS

RECENTLY issued Board of Trade figures show that sales of chemists' goods by independent retailers were 3.2 per cent. higher in June than in May, and 8.4 per cent. higher than in June 1955. Large retailers' sales were 7.14 per cent, higher in June compared with May, and 11.48 per cent, higher than in June 1955. Sales by Co-operative Societies were 0.65 per cent, lower in June than in May, and 13.2 per cent. higher than in June 1955.

Sulphuric Acid

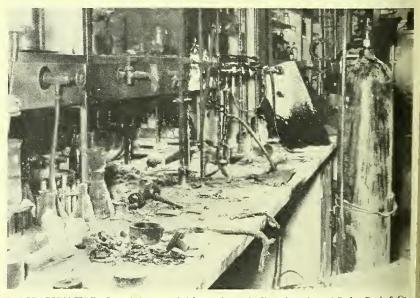
APRIL-JUNE PRODUCTION

PRODUCTION of sulphuric acid by members of the National Sulphuric Acid Association, Ltd., in the quarter ended June 30 amounted to 562,416 tons calculated as 100 per cent. H₂SO₄, which represented 81-4 per cent. of production capacity. In the same quarter of 1955 production was 521,899 tons or 81-8 per cent. of production capacity. Sales in the quarter under review amounted to 558,931 tons (against 522,560 tons).

Tetracycline

BRITISH PATENT GRANTED

A BASIC product patent on tetracycline has been granted in Great Britain to the Pfizer Corporation, a subsidiary of Chas. Pfizer & Co., Inc. The patent



LABORATORY FIRE: One of the research laboratories at the Hounslow plant of Parke, Davis & Co-Ltd., was the scene of an explosion on August 8. The incident occurred as a new drug for clinical trial was undergoing vacuum distillation, Laboratory equipment and fittings were damaged by blast, and two laboratory benches were partly destroyed by the subsequent fire. The senior development chemist brought safety precautions promptly into operation and so localised the fire, which was brought under control in a matter of minutes. Three research workers and three members of the fire-fighting staff suffered slight injuries.

covers tetracycline and its salts, pharmaceutical and veterinary preparations containing tetracycline and its salts, and a process for the production of tetracycline by catalytic hydrogenation of chlortetracycline.

Pharmacy Wage Claim

DISAGREEMENT REFERRED TO TRIBUNAL

NO agreement was reached at a meeting of the Joint Industrial Council for Retail Pharmacy recently on an application for increases in the minimum rates of wages in retail pharmacy. The employers' final proposals were not acceptable to the trade union side, and the difference has been referred to the Industrial Disputes Tribunal.

NEWS IN BRIEF

A CAMERA was stolen in a night raid on H. G. Pilling (Chemists), Ltd., 7 Melden Road, Longsight, Manchester.

To help local authorities in their clean food campaigns the Ministry of Health has produced a new coloured poster on the theme "Hands Spread Germs."

In the recent "town of flowers" competition for business premises at Shrewsbury, Salop, Boots, Ltd., 7 Pride Hill, won the *Shrewsbury Chronicle* award for premises with over 40-ft. frontage.

THE July quarterly list of revised prices and amendments to the Drug Tariff, April 1956, includes increased prices for cotton elastic bandages, and an additional size (4 in.); prices for certain spring trusses are also increased.

A TWO-VOLUME report on the Duke of Edinburgh's recent study conference on human problems of industrial communities within the Commonwealth and Empire is being published in January 1957, price 42s., by the Dxford University Press, Amen House, Warwick Square, London, E.C.4.

THE recently published 1956 triennial list of members of the Purchasing Officers Association gives details of nembership regulations and examinaion syllabuses, in addition to the list f its members and the concerns they epresent in Britain and overseas as at day 1; copies are obtainable from he secretary of the Association, Wardobe Court, 146A Queen Victoria treet, London, E.C.4, price 10s. 6d.

REPRESENTATIVES of the Negotiating ommittee of the General Medical ouncil met the Minister of Health and the Under Secretary of State for cotland on August 1 regarding their aim for increased remuneration for ineral practitioners and hospital redical staffs; the meeting was adurned pending the submission by the ommittee of further particulars as to e legal aspects of their claim.

PORT

Golf.—South London and Surrey Pharmats Golfing Society at Wimbledon Park golf b on August 8. Verona trophy: 1, G. G. nieson, Shirley Park, 61; 2, C. H. Foster, Ilwich and Sydenham, 64; 3, E. Foster, Coulsque, 68. Visitors competition: 1, F. Dawes, ley Park, 66; 2, J. Baxter, Thames Ditton Esher, 72.

TOPICAL REFLECTIONS

By Xrayser

Entry into Pharmacy

Despite a rearguard delaying action by Messrs. Bloomfield, Dowty and Heseltine, the Education Committee has made some progress in its task of revising the educational requirements of the future pharmacist. It is interesting to note that the somewhat cool reception accorded the original proposals presented to the Council at its May meeting has resulted in some modification of what was then asked for. At its August meeting (p. 144) the Council gave approval to regulations governing entrance only, and the subject of practical training appears to have been deferred. Nevertheless, what has been passed for submission to the Privy Council is very important, and it appears that more stringent educational requirements are now embodied, thus raising the standard of entrance beyond what was originally intended. To the lay mind, the regulations are difficult to comprehend. For example, the question of a language other than English seems to have caused the Council some difficulty, and a careful reading of the report suggests that some clarification should have been called for. Mr. Maplethorpe defended the retention of a foreign language on the grounds that not to retain it would be prejudicial to those students who, at some future stage, decided to take a pharmaceutical degree, as most universities required a foreign language. Yet, in answer to the president, Mr. Maplethorpe said it was not possible to state that, if a student entered pharmacy under the new conditions, he would be eligible for a degree course, though by and large he thought that that would be so. There is thus an element of doubt which it might have been better to resolve before the Council gave final approval. On that point alone, postponement until October would have been prudent. One change in the conditions for the entrance examination, compared with the present Intermediate, is the decision to recognise a pass in any one subject, so that failure in two subjects will not now mean failure in the whole examination.

Tranquillisers

Your editorial (p. 141) dealing with the drugs that are classed as tranquillisers shows a sound appreciation of the position. There is, no doubt, good reason, in this world of stress and anxiety, to investigate substances with the property of alleviation of conditions which are in part due to the strain of war, and in part to the pace of modern life, with its noise and its haste. But it is morally and ethically wrong to allow the lay public to be the judge, at the behest of manufacturers, of what is good for them in a field which should be the province of the physician. There is everything to be said for your suggestion that there may come a time when all new drugs should automatically be "prescription only" for a probationary period. A prescription is the only guarantee that there is medical supervision.

Contrasting Summers

The series of articles in The Chemist and Druggist dealing with artificial-light photography seems singularly appropriate to the dismal summer from which we are suffering. Illumination from natural sources has been conspicuous by its absence, and a more complete contrast with the long sunny days of last summer can hardly be imagined. I expressed sympathy with the plight of photo finishers last year in their imprisonment in dark rooms while the rest of the world revelled in the sunshine and warmth, but this year there is need for sympathy for a different reason. There are, of course, keen photographers with good cameras and all the accessories, who are able to overcome the difficulties of dull, wet weather, but the great bulk of the work comes from holidaymakers and picnickers, and conditions have been all against the snapshotter of the latter kind. Catering for the needs of the snapshotter provides one of the more precarious forms of livelihood, dependent as it is on weather which attracts people out of doors.

LEGAL REPORTS

Alleged False Pretences

Ar Lincoln magistrates' court recently, David John Davidson, described as a schoolmaster of no fixed address, who had formerly taught in the Spilsby district of Lincolnshire, was charged with taking by false pretences from Boots, Ltd., a cine camera and four films, valued at £45. He was remanded in custody.

Pharmacy Act Fines

AT Barnard Castle magistrates' court. recently, Mrs. May Davis, the Old Post Office, Staindrop, the wife of a pharmaceutical chemist in business elscwhere, was summoned for selling poisons (codeine and morphine in proprietaries) though not an authorised seller, and in containers not labelled with the seller's name and address. She was fined a total of £4, with £5 5s. costs.—At Ramsgate magistrates' court, recently, Robert Cole, Chatham Street, Ramsgate, was fined a total of £4 with £3 3s. costs after admitting that he sold a cough syrup containing a poison, though he was not an authorised seller of poisons. It was stated that Cole had a business in which he sold "patent medicines, toilet articles, washing powders, etc. On April 30 he sold a representative of the Pharmaceutical Society a bottle of cough syrup containing codeine. In his defence it was stated that he was stated that it was stated that he was a newcomer to the business and had been in the trade for only three or four weeks.

—At Richmond, Surrey, magistrates'
court, recently, Frederick Cook Lea.
F.P.S., pleaded guilty to selling, on
May 24, strychnine (in Metatone)
otherwise than under the supervision of a registered pharmacist. The transaction occurred at a pharmacy at Old Palace Terrace, The Green, Richmond, of which Mr. Lea is the proprietor.

BUSINESS CHANGES

PHILADELPHUS JEYES & CO., LTD., College Street, Northampton, have taken over the pharmacy of Mr. J. C. E. Meacock, M.P.S., at 32 High Street, Daventry, Northants.

EYELURE, LTD., are removing on August 17 to larger office and factory premises at 60 Bridge Road East, Welwyn Garden City, Herts. Telephone number (Welwyn Garden 3986) unchanged.

Appointments

BEECHAM OVERSEAS, LTD., Beecham House, Great West Road. Brentford, Middlcsex, have appointed Mr. D. N. Gore, F.P.S., F.R.I.C., an executive with effect from September 1. Mr. Gore relinquishes his office as deputy director, Beecham Research Laboratories, Ltd., Brockham Park, Betchworth, Surrey, on that date.

BENGUE & CO., LTD., Mount Pleasant, Alporton, Wembley, Middlesex, have appointed Dr. B. Gordon, M.B., Ch.B., their medical adviser in charge of the medical information department; Mr. E. Melia their medical representative in Essex, Kent and Sussex; and Mr. J. Berry North London and Hertfordshire.

NEW COMPANIES

P.C. = Private Company; R.O. = Registered Office

L. PARKINSON, LTD. (P.C.).—Capital £5,000. To carry on the business of wholesale and retail chemists, etc. Directors: Leslie Parkinson and Agnes Parkinson, both of 26 Roxwell Road, Chelmsford. R.O.: 42 Duke Street, Chelmsford, Essex.

CHEMICALS & PRODUCE (DUB-LIN), LTD. (P.C.).—Registered in Dublin, Capital £1,000. To carry on the business of general importers and exporters of merchandise, etc. Subscribers: Michael Barry, 5 Auburn Avenue, Donnybrook, Dublin, and Patrick Griffen.

METALCARE (PLANT & PRODUCTS), LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in chemicals and chemical products, descalers, etc. Subscribers: C. Anthony Prince, 10 Ashbourne Road, W.5, and Jeanne Moody.

ORL-GRO, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in hair preparations, perfumes, soaps, etc. Directors: Alexander Shrager and Malcolm P. Weller. R.O.: 52 Kenyon Lane, Moston. Manchester.

ROCKERY, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in cosmetic preparations, etc. Directors: William C. Dallin and J. D. Dallin. R.O.: 5 Crown Yard, Stanhope Street, London. N.W.1.

EDGAR HOUGH, LTD. (P.C.).—Capital £10,000. To acquire the business of chemists and druggists formerly carried on at Station Road, Northwich, Ches, etc. Directors: Edgar W. Hough. M.P.S., and Lilian Hough. R.O.: Station Road, Northwich, Ches.

CUTHBERTSON CHEMICAL INDUSTRIES, LTD. (P.C.). — Registered in Edinburgh. Capital £500. To carry on the business of refiners and exporters of mineral oils, vegetable oils, etc. The first directors are not named. R.O.: 337 Bogmoor Road, Glasgow.

C. MATHEWS, LTD. (P.C.).—Registered in Belfast. Capital £2,500. To carry on the business of chemists, etc. Subscribers: May Nesbitt, 10 Sandhill Parade, Neills Hill, Belfast, and Rona

Wilken. Mrs. Mary B. Mathews is governing director.

AGPROLIN, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in chemical gases, drugs, medicines, disinfectants, etc. Directors: John F. Anderton, M.P.S. and Joseph McMurray. R.O.: 1 Central Street, Manchester. 2.

B. J. PHILLIPS (CHEMISTS), LTD. (P.C.). — Capital £2,000. To carry on the business of retail and wholesale chemists and druggists, etc. Directors: Bernard J. Phillips, M.P.S., and Herbert L. Phillips, R.O.: 38 Poole Road, Westbourne, Bournemouth.

H. & I. ISAACS (CHEMISTS), LTD. (P.C.).—Capital £500. To carry on the business of wholesale and retail chemists, dispensing chemists, druggists, etc. Subscribers: Henry F. Morling and Christopher J. Harris. R.O.: 111 High Street. Merthyr Tydfil, Glam.

WALTER McFARLAND, LTD. (P.C.).—Registered in Dublin. Capital £3,000. To carry on business as chemists and druggists, etc. Subscribers: Walter McFarland, M.P.S.I., Main Street, Ballybofey, co. Donegal, Ivan Kee and Annie E. Kee. The first directors are not named.

R. C. KITCHEN, LTD. (P.C.).—Capital £5,000. To carry on the business of wholesale and retail chemists and druggists, etc. Directors: Edward C. Clark, M.P.S., and Richard R. C. Kitchen, M.P.S. R.O.: 107 Portland Road, Wyke Regis, Weymouth.

MICRO - BIOLOGICALS, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers and dealers in vitamins, vitamin compounds, poultry and human feeding stuffs, etc. Directors: Thomas A, Smith and Alma M, A Smith, R.O.: 14 Arlington Street, London, S.W.1.

BARCLAY HOUSE PHARMACEUTICAL CO., LTD. (P.C.). — Capital £500. To carry on the business of manufacturing and general chemists etc. Directors: Alfred Arnson, Davic Kupferman, Alfred E. Cheshire, Johr Sorrell and Mary E. Box. R.O.: 120 Baker Street, London. W.1.

ORGANIC LABORATORIES, LTD (P.C.).—Capital £1,000. To carry on the



TRAINING SCHOOL FOR SALESMEN: Students who recently attended an international training school organised by Ortho Pharmaceutical, Ltd., High Wycombe, at Marlow, Bucks, photographs at a celebration dinner held in London. Left to right: Mr. Harry Poriasi (staff of company's agen in Alexandria, Egypt: Aristide N. Valsamis & Co.), Mr. Solomon Rafeek (sales manager, P. J. Lobo Co., Ltd., Hong Kong), Messrs. Guy Fletcher, Roland Weeks and Robert Wright (home sales force Mr. Peter Leerschool (the company's representative in Holland), and Mr. John Brown, Glasgow (home sales force). Seated is Mr. James G. Jones (export sales manager of the company), who was responsible for the training.

business of manufacturers of and dealers in industrial, fine. pharmaceutical and reagent chemicals, etc. Subscribers: Denis Frankel and John L. Lannan, 21 Ely Place, London, E.C.1. The first directors are not named.

ROY WARD DAVID (WHOLE-SALE), LTD. (P.C.).—Capital £100. To carry on the business of wholesale chemists and druggists, etc. Directors: Elwyn R. W. David, M.P.S., and Cecil M. David (directors, Roy Ward David (Chemists), Ltd.). R.O.: 3 The Square, Llanharan, Glam.

PERIVALE PHARMACY, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists and druggists, James Dillon. The first directors are not named. Solicitors: D. C. Sealy-Jones, 130 Northfield Avenue, London, W.13.

EVANS MEDICAL (SERVICES), LTD. (P.C.). — Capital £10,000. To carry on the business of consultants and advisers on business organisation, manufacturing and engineering pro-cesses and scientific and technical methods in all or any of the following fields (inter alia): the manufacture and preparation of chemicals, drugs and chemical preparations. The first directors are not named. Solicitors: Whitley & Co., 3 Cook Street, Liverpool.

Company News Previous year's figures in parentheses

STEPHEN SMITH & CO., LTD.-Recommended dividend on ordinary shares for year ended April 30 is 12½ per cent. (same). Trading profit tax provision £13,000 (£10,056).

ARNOLD M. GEE, LTD. — Final dividend 10 per cent, making 20 per cent, for year to March 31, 1956 (same cent, for year to March 31, 1956). pent, for year to March 31, 1956 (same on smaller capital). Combined trading profit £27,300 (£24,337), before tax of 13,027 (£10,976), bonuses to staff inder-reserved last year nil (£1,921), uperannuation £1,494 (£1,198), and dereciation £724 (£645). Off goodwill nd leases £1,270 (£1,239), to general eserve £1,000 (£1,500), forward £418.

DEATHS

CHRISTIE. - At 308 Kirkintilloch oad, Bishopbriggs, Glasgow, on ugust 7, Mr. Benjamin Christie, I.P.S., 41 Cowcaddens Street, Glasgow, 2, aged seventy-six.

FARRAR.—Recently, Mr. Reynold harles Farrar, M.P.S., The Pharmacy, akefield Road, Denby Dale, nr. Hudersfield, Yorks, aged sixty-one.

LOURIE. - In Geneva, Switzerland, August 11, Dr. E. M. Lourie, chief the biological standardisation sec-on of the World Health Organisation ice 1952. Dr. Lourie was the author a number of works on chemo-erapy, sleeping sickness and pharma-

MORRIS.—On July 22, Miss Bridie orris, M.P.S., 1 Westmoreland Road, llasey, Ches, aged forty-nine.

NICHOLSON. — On July 24, Mr. ymond Nicholson, M.P.S., West nds, Wibsey Park Avenue, Wibsey, idford, Yorks, aged fifty-three, Mr. holson qualified in 1929.

PLACKETT.-Recently, Mr. Harry Plackett, Doannee, Fishery Road, Maidenhead, Berks. Mr. Plackett qualified as a chemist and druggist in 1904.

SAUNDERS. — Recently, Mr. Herbert Saunders, Colchester Road, Coggeshall, Essex, aged eighty-three. Mr. Saunders qualified as a chemist and druggist in 1902. He had a pharmacy in Coggeshall for forty years.

THORPE. — On August 6, Mr. Reginald Atkins Thorpe, aged fifty-seven. Mr. Thorpe was chairman and joint managing director, the English Grains Co., Ltd., and the Trent Yeast Extract Co., Ltd.

PERSONALITIES

ALDERMAN W. BROWNBILL, M.P.S., has been elected Accrington council's representative on Lancashire Non-County Boroughs Association.

MRS. E. N. J. JONES, M.P.S., Rock Ferry, Ches, has been elected for a

second year of office as president of the Birkenhead Business and Professional Women's Club. Mrs. Jones is secretary of the National Association of Women Pharmacists and vice-president of its Merseyside Branch.

MR. JOHN RENNIE, M.P.S., Rawdon, Leeds, a former director of W. B. Cartwright, Ltd., has been appointed chairman of Otley magistrates. Mr. Rennie qualified in 1905, and had retail businesses in Blackburn and Chor-In 1910 he joined Mr. (later Sir) William Cartwright in Leeds as chemist and director of W. B. Cartwright, Ltd., a position which he held until 1921, when he was appointed a joint managing director. Mr. Rennie retired in 1951 for health reasons. He was a member and former chairman of Rawdon urban council, and first chairman of the Aireborough urban council. He was made a justice of the peace in 1937.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

A Lesson from Canada

SIR,—We find the attitude and reportage of your correspondent in Canada (Hugh Green, M.P.S.) very refreshing and enterprising. It is to be hoped that his articles on pharmacy (and business conduct generally) will help to change our own often parochial outlook and also give guidance on the shape of business to come.

H. STEINER C. STEINER

London, W.9

No Progress!

SIR,—I recently acquired for one penny an antique: "The Complete Guide to Preliminary Examinations for Olide to Preliminary Examinations for Pharmacy, Medicine, Dentistry, Veterinary Surgery and Science, Second Edition," published by the C. & D. in 1899. On page 128 of the Guide the student was advised: "Let the papers, be neatly worked and the writing exbe neatly worked, and the writing exhibit a good plain hand!" Now, fiftyseven years later, the doctors are given rubber stamps because we cannot read their names!

Blackpool LILIAN 1. ANDERSON

Out for the Count

SIR,—The article on the National Glass Works at York (C. & D., August 4, p. 120) was of extreme interest—especially the photograph of the glass fly trap! But, sir! Surely the inner rim was filled with beer—not syrup (simplex)! Maybe the flies of the Ridings were tougher. As a youngster I recall the glass fly trap in my grandparents' home, which fascinated me—I could never make up my mind if the flies became drunk before drowning! Loidis

First Aid on the Road

SIR,—An advertisement appears in your August 11 issue for a motorists first-aid outfit made by a leading manufacturer of surgical dressings and spon-

sored by one of the motoring organisations. The need for such a first-aid outfit is apparent and pharmacists, whether motorists or not, will welcome the inprompted the manufacturers to include certain items? Have they thought how inconvenient to a motorist on the road are white open wove bandages and cotton wool? I was discussing the matter a few days ago with a medical friend of mine and he supported my view that dressings of the factory wound type, or even War Office shell dressings, would be much more useful in those circumstances.

MOTORIST.

A PHARMACIST'S SIGN



6. The ironwork sign of John Gerry, 4 Eastgate

NEW PRODUCTS AND PACKS

Reserpine with Amphetamine. -Gedeon Richter (Gt. Britain), Ltd., Weedington Road, London, N.W.5, are marketing a new speciality, Resamphine tablets, containing reserpine 0.25 mgm. and methyl amphetamine 5 mgm. in each. The tablets are issued in containers of twenty-five, 100 and

Hydrocortisone Neomycin Ointment. —Boots Pure Drug Co., Ltd., Station Street, Nottingham, have launched two new specialities: Hydromycin ointment and eye/ear ointment, the former combining the anti-inflammatory properties of hydrocortisone acetate with the wide-spectrum antibacterial activity of neomycin sulphate and available in tubes of 5 and 15 gm.; the eye/ear ointment containing hydrocortisone acetate 1.5 per cent. and neomycin sulphate 0.5 per cent. and available in 3-gm. tube.

Military Hairbrush. — The Halex Division of the British Xylonite Co.,

Ltd., Highams Park, London, E.4, have produced a new military style hair-brush with nylon tufts set into a poly-styrene back with "cobble" design, in shell, amber or crystal. The product is packed in an acetate-covered display container.

" Dramatically Different " Lipstick .-Coty (England), Ltd., 3 Stratford Place, London, W.I, have made available in this country a lipstick which has had a great success in the United States. The "Coty 24" lipstick is claimed to have a staying power unique in lipsticks. "Colour stays on. All day. All night." Much less needs to be applied then of other lipstich. scarlet)) in de-luxe red, white and gold case, or interchangeable refill (inserted, with its own new base, in original holder from which lipstick remainder and base have been removed).

NOTES

Shaving Light.—Pifco, Ltd., Watling Street, Manchester, 4, market an electric shaving magnifying mirror, the Pifco electric Razorlite, in ivory-coloured plastic frame and fitted with a 5-amp, two-pin socket for electric shaver.

Additions to List. — Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middlesex, have made available two new specialities: Chloromycetin hydrocortisone ophthalmic, in 5-cc. vial with dropper; and Chloromycetin hydrocortisone ophthalmic ointment, in 1/8-oz. tube.

Choice of Three Packs. — Ronson Products, Ltd., Leatherhead, Surrey, issue the Ronson electric shaver in

three packs: a presentation case with shaver, flex, adaptor and cleaning brush; a new "stow-away" pack (shaver and flex in lightweight unbreakable and washable case); and "trip kit" (shaver, flex, adaptor, cleaning brush, tooth-brush, tooth-paste, comb, mirror and nailfile), in coachhide case.

Wrapping-paper Offer.—MacDonald & Son, Ltd., Portland Mill. Ashton-under-Lyne, Lancs, are allowing a discount of 5 per cent. on five counter rolls of Swedish kraft or sulphite paper; or on five reams of wrapping paper; or on a £6 order for dispensing parchment.

In Miniature Size. — Dorothy Gray, Ltd., 565 Kingston Road, Raynes Park, London, S.W.20, have made available

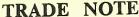


their toilet water in a miniature (1-oz. size for the handbag. Each of the company's fragrances (Midnight, Wedg wood, White Lilac, or Love Song) is obtainable in the new pack.

Packs and Strengths Changed.— Pharmethicals (London), Ltd., l. Great Portland Street, London, W.1 sole distributors of the pharmaceutica specialities of Schering, A.G., Berlin Germany, announce new packings and a new strength of their radiographic contract maligners. contrast medium Endografin. present stocks are exhausted all order for Endografin FL 50 per cent. an Endografin 70 per cent. will be exect ted in the new packs: boxes containing five and (for hospitals only) twen 10-c.c. ampoules.

Perfume in "Purse" Atomiser. The Mémoire Chérie perfume of Eliz beth Arden, 25 Old Bond Street, Lo don, W.1, which is described as bein "classic in its proportions of shared sweet warm and sweet the street and street and sweet the street and sweet, warm and mellow, b modern, imaginative and provocative is available in 4-oz., ½-oz., 1-oz. at 2-oz. bottles and in a new leakpro atomiser for handbag or dressi table. The atomiser may also bought with Blue Grass, On Dit My Love perfume.

Dealer Display Competition. - T makers of Lucozade (Lucozade C Great West Road, Brentford, Midd sex), are offering big prizes



Sugar-cane Molasses. — Jeffreys, Miller & Co., Ltd., Leyland Mills, Wigan, Lancs, are marketing in glass jars of various sizes Itona brand sugarcane molasses.

Surgical Instruments. — Britton, Malcolm & Co., Ltd., 38 Southwark Bridge Road, London, S.E.1, are stockists of a wide range of surgical instruments; prices and details are available on request.

Own-name Labels. — W. B. Cart-wright, Ltd., Rawdon, Leeds, offer to supply chemists with their own pharmaceutical products, packed and labelled with the chemist's own name and "laboratory-tested" at every stage.

u'll be happy with HALLX 5. STAR TOOTHERUSHES

"DISPENSER" STANDS: New "dispensers," left, to hold 4 doz. Halex nylon combs in assorted colours; and, right, lo hold 1 doz. nylon (hard and medium) and 1 doz, bristle (hard and medium) Halex 5-ssar tooth-brushes. Makers are British Xylonite Co., Ltd., London, E.4.



ers in a summer-autumn display petition, total prize value in which 3,150. The national first prize is 3,150. The national first prize is omplete refitting of the winner's to the plans of an industrial intect (up to a value of £1,000), or weeks' holiday for two in the amas, or £1,000 cash. The national and prize is a completely refitted then to the value of £250, or a ter holiday for two to Madeira, or 0 cash. Ten local first prizes conformation of a week's winter sports holiday of a week's winter sports holiday two in Switzerland, or one Crown by dinner service for twelve pers, or a complete outfit of clothes two to value of £100, or £100 cash. re are also ten local second and ty local third prizes, each in one en geographical areas (of approxiely equal population) into which the htry is divided for purposes of the petition. The entrant is required to d a counter display of not less than 26-oz. bottles in the presence of the ozade representative, and to have vindow display of not less than nty-four 26-oz. bottles on show n he calls again. On the second the representative photographs the blay, and the competition is judged the photographs (taken before ober 15). The criteria of judging originality of idea; "eye-appeal" customer; effective use of display erial; and sales effectiveness.



F-SERVICE DISPLAY: The counter unit on was designed for Optrex eye lotion by hard Lonsdale-Hands Associates, 1 New Ox-Street, London, W.C.J., It is made in white melled wire with rubber ball feet.

Christmas Showrooms

ssons, Sons & Co., Ltd., Kersal le, Manchester, 7.
RISTOL: Royal Hotel, August 20-24.
EEDS: Queens Hotel, August 27-31.

IVERPOOL: Adelphi Hotel, August 27-31. [ANCHESTER: Queens Hotel, September 3-7. EWCASTLE-ON-TYNE: Royal Turks Head Hotel,

September 3-7. LASGOW: St. Enoch Hotel, September 3-7.

EFFIELD: Grand Hotel, September 4-6. RDIFF: Royal Hotel, September 10-14. DINBURGH: North British Hotel, September

RMINGHAM: Grand Hotel, September 17-21

GOYA, LTD., Badminton Court, Amersham, Bucks.
SOUTHAMPTON: Polygon Hotel, August 20-24.
BRISTOL: Royal Hotel, August 27-31. HULL: Royal Station Hotel, August 27-31. HANLEY (Stoke-on-Trent): Grand Hotel, August

NEWCASTLE-ON-TYNE: Royal Turks Head Hotel, September 3-7.

LEEDS: Queens Hotel, September 3-7.
GLASGOW: North British Hotel, September

LIVERPOOL: Adelphi Hotel, September 3-7. CARDIFF: Royal Hotel, September 10-14, MANCHESTER: Queens Hotel, September 10-14, NOTTINGHAM: County Hotel, September 10–14. EDINBURGH: North British Hotel, September

BIRMINGHAM: Grand Hotel, September 10-14. PLYMOUTH: Duke of Cornwall Hotel, September 19-21.

EXETER: Rougement Hotel, September 24-27.

MORNY, LTD., 22 Wadsworth Road,
Perivale, Greenford, Middlesex.

BRISTOL: Royal Hotel, August 20-24.

MANCHESTER: Queens Hotel, September 10-14. LIVERPOOL: Adelphi Hotel, September 3-7. BRIGHTON: Hotel Metropole, September 16-22 CARDIFF: Queens Hotel, September 10-14. BIRMINGHAM: Grand Hotel, September 17-21.

GLASGOW: St. Enoch Hotel, September 3-7. EDINBURGH: North British Hotel, September 25-28. LEEDS: Great Northern Hotel, August 27 to

September 7.
NEWCASTLE: Royal Turks Head Hotel, September 10-14.

NOTTINGHAM: County Hotel, September 17-21 BOURNEMOUTH: Grand Hotel, September 10-14

ROBERTS WINDSOR SOAP Co., Gladstone Works, Windsor, Berks.
GLASGOW: St. Enoch Hotel, September 3-6.

SPA BRUSHES, LTD., Freeman Works, Chesham, Bucks.

LEEDS: Queens Hotel, August 27-31 (range includes brush sets, child's and summer sets, tooth-brushes in Sparklon, nylon, bristle, etc.)

LIGHTING AND HEATING

9-in. Fluorescent Tube. — Philips Electrical, Ltd., Shaftesbury Avenue, London, W.C.2, are now able to supply from stock a 6-watt, 9-inch fluorescent tube suitable for showcase and display lighting. The tube employs a small choke and a starter switch, and is available at present only in the "cool white de luxe" colour.

200-watt Lamp in 150-watt Fitting.-A 200-watt general lighting service lamp introduced by Philips Electrical, Ltd., Century House, Shaftesbury Avenue, London, W.C.2, has the diameter of the normal 150-watt lamp, the problem in the problem is to be supported by the problem in the p thus making it possible, in many cases without alteration to existing fittings, to increase light intensities. The lamp to increase light intensities. The lamp should not be used in totally enclosed fittings designed for a maximum lamp size of 150 watts.

"Push-button" Heating. — Electric oil-filled safety radiators offer the labour-saving advantages of central heating without a boiler to attend to. Built-in thermostatic control is standard, and automatic time-switch control may be incorporated. The timecontrol switch is so constructed that it may be set to take into account early closing days and week-ends when no

heating may be required. The oil, sealed within the steel casing of the radiator, is frostproof and there is thus no worry about burst radiators. model shown is a 1½-kilowatt Hurseal panel, mounted to wall. The manufacturers are Hurseal, Ltd., 229 Regent Street, London, W.1.

Air Heating by Oil. — A "gentle movement of warm, clean, filtered air" throughout a whole house or building is the heating method offered by H. C Little oil furnace, an American system of which the manufacturing licensees are D. E. Stuttard, engineers, Westfield Mill, Mytholmroyd, Halifax. The hot air is delivered through sheet-metal ducts and/or floor cavities to small, adjustable, louvred vents around the room skirtings. Production of hot air is provided by an oil furnace with thermostatic control. The furnace is automatically self-lighting and quiet (no hum, throb, pulsation or roar). A filter removes dust and dirt from the air stream. The fuel is low-cost fuel oil. Consumption of oil is in accordance with size. A unit with output rating of 84,000 British Thermal Units per hour uses a maximum of five pints of oil hourly.

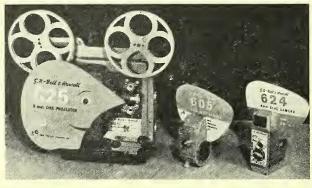


1}-kilowatt Hurseal oil-filled radiator panel mounted to wall.

PHOTOGRAPHIC NOTES

"Play-back" for Film Sound Track.—A magnetic playback attachment is now available for use with G.B.-Bell & Howell 16-mm. sound film projector, the manufacturers of which are Rank Precision Industries, Ltd., 37 Mortimer Street, London, W.1. The attachment is easily and quickly fitted by the user. It brings to projector owners the added facility of playing back magnetically-recorded sound tracks (both full and half track) without altering their exist-

London Showroom. — At right is illustrated a showroom which North Staffs Photographic Services, Ball's Yard, Newcastle, Staffs, opened recently in London as a service to retailer customers. Dealers may themselves examine stocks at the showrooms, or may send customers there for demonstrations (not sales) of apparatus not stocked at the shop.



CROWNERS FOR CINE APPARA-TUS:

Three crowners available from the cine and optical division, Rank Precision Industries, Ltd., 37 Mortimer Street, London, W.1, to fit the G.B.-Bell & Howell model 625 projector and models 605 and 624 cine cameras.

attention to a 40 per cent, increase in developing and printing work during the period July to September 1955. The leaflet draws attention to the finishers problems in such circumstances, and explains why a 48-hour rather than a 24-hour service should be offered to customers by the dealer.

New Range of Bromide Papers.— Bromide papers in a new range produced by Ilford, Ltd., Ilford, London, are understood to have greater whiteness of base.

ing equipment, and is well worth dealers' while in bringing to the notice of their customers.

Lens-hood Case. — Kodak, Ltd., Wealdstone, Harrow, Middlesex, are marketing a new brown leather lenshood case, the Kodisk, which takes lenshoods up to and including size 370. The case is shaped like a round pill box and closes by means of a stud fastening. It slips on to the strap of the camera case for easy carrying and access. Kodisk lens hoods are available in four sizes: No. 250 (for lens mounts diameter 22–25 mm.); 285 (25.5–28.5 mm); 320 (29–32 mm.); and 370 (33–37 mm.).

35-mm. Developing Tank. — Features of a new developing tank for 35-mm. films, the Paterson 35-mm. Model II, marketed by R. F. Hunter, Ltd., 51 Gray's Inn Road, London, W.C.1, include: inversion agitation, central ultra-rapid pouring, and transparent spiral. The tank is claimed the only one that completely eliminates the difficulties of loading a full-length 35-mm. film. In loading, the film is inserted into the spiral entrance and the two halves of the spiral are oscillated.



Ratchet teeth engage in the film perforations and draw in the film. The tank loads without difficulty films that have been straightened by being rewound in the reverse direction to the normal curl. Increased "D. and P." — A leaflet issued jointly by the Photographic Dealers' Association and the Wholesale Photo Finishers' Association draws

AIDS TO PRODUCTIVITY

Two-Way Electronic "Intercom."

— A battery equipped loud-speaking two-way "intercom," Kedafon, claimed the smallest of its kind in the world, is being marketed by Fonadek (Branson), Ltd., London, Birmingham, Manchester and Glasgow. It is issued in a damage - proof carton ready for

carton ready for use and requires no technical skill in installation. Kedafon is completely portable, and may be used inside a building or in the open, or to connect the outside with inside. The flex which connects the two speaking units may be of any desired length. An unusual feature is contact without signal from the master unit. By touching a button the operator on the master unit is instantly in listening and speaking contact with the person or persons on the subunit end (the subunit operator must signal before he makes contact with the master unit).

Portable Photocopier.—The Contoura photocopier marketed by Contoura Photocopying, Ltd., 56 Islington Street, London, N.1, makes prints on the spot without the need for an electricity supply. A quarto model weighs only 5 lb. Also available are foolscap; "foolscap major" (for office use); and double foolscap models. The copier is suitable for copying books, periodicals, documents, newspaper cuttings, account books, etc. Any one of a variety of

REAL PROPERTY OF THE PARTY OF T

copying papers commercially available may be used.

Lowest-priced Adding Machine. — Van der Velde (Office Equipment), Ltd., Newcastle-on-Tyne, are marketing what they claim is the lowest-priced machine of its type in the world, the electric Adwel adding/listing machine.



Noiseless in operation, the machine has a keyboard capacity of £9,999 19s. 11d. (total capacity £99,999 19s. 11d.), and square ("finger-tip-fit") keys.

UNITED STATES DEVELOPMENTS

FOR the first time the muscle enzyme myokinase has been obtained in pure form, after having been successfully crystallised at the Institute for Enzyme Research, Wisconsin University, Madison, Wisconsin.

Fungicide Kills Algae

The United States Rubber Co., reports that a fungicide Phygon XL (dichlone) produced by its Naugatuck Chemical Division kills algae and some water weeds without harming fish.

Total Synthesis of Reserpine

The total synthesis of reserpine is announced by Professor R. B. Woodward, Harvard University, Cambridge, Massachusetts. Dr. Woodward described the synthesis of iso-reserpine earlier in the year, but his synthesis of reserpine proceeds direct to reserpine through iso-reserpic acid without passing the iso-reserpine stage.

Vaccine Against Respiratory Diseases

A new vaccine that promises to be effective against a number of respiratory diseases, including virus pneumonia and severe colds, has been developed and prepared by the Department of Respiratory Diseases, Walter Reed Army Institute of Research, Washington, D.C.

Longer College Pharmacy Course

The American Association of Colleges of Pharmacy has voted to increase to two years the pre-pharmacy requirements for entry by students to pharmacy colleges. The extra year is designed to broaden the pharmacist's point of view. In the additional year, students will be required to take more courses in the field of humanities. Pharmacy will now become a five-year course.

Viruses Analysed

Dr. H. L. Fraenkel-Conrat, California University, San Francisco, has succeeded in separating viruses into disease-producing and immunising components. He has discovered that a virus disease is determined by the nucleic acid core of the virus, but the virus has also the ability to immunise; the immunising power is a function of its protein shell.

New One-piece Capsule

The General Capsule Corporation, Michigan, U.S.A., has launched production of a one-piece seamless thermoplastic capsule, designed for widespread uses in the drug and processed food industries. Expansion now taking place at the plant will raise output to a first-year production rate of more than 7 million capsules weekly. One production unit is already operating.

Staphylococci Test

Standardised, dried diagnostic plasma is now being used to distinguish between pathogenic and non-pathogenic staphylococci. Water is added to the tube of diagnostic plasma and the bacteria added. Pathogenic staphylococci cause clotting in more

than 85 per cent of cases. Formerly fresh citrated human plasma was used for the test.

Patents on New Glycerin Process

Two patents have been issued by the U.S. Patent Office covering new processes for the production of glycerin. The Allied Chemical and Dye Corporation has obtained patent No. 2,739,173 for a process for the production of synthetic glycerin from allyl alcohol; and the Shell Development Co. has obtained a patent, No. 2,718,529, for the production of glycerin from an aqueous solution of acrolein using osmium tetroxide as a catalyst.

Radiation-sterilised Drugs

Because of the growing use of radiation for the sterilisation of drugs, the United States Food and Drug Administration has urged that adequate investigations should be made to ensure that the radiation treatment does not cause the drug to become unsafe for use. All drug products, including injections, ophthalmic solutions, surgical sutures, and surgical dressings, sterilised by radiation are being regarded as new drugs, and a new application in accordance with the Federal Food Drug and Cosmetic Act is necessary before inter-State shipment of such articles.

Anti-cancer Drug

DON (6-diazo-5-oxo-l-norleucine) is a new drug discovered by the Sloane-Kettering Institute for Cancer Research, New York, and the research division of Parke, Davis & Co., Detroit, to restrain the growth of mouse cancer. The drug is effective only so long as treatment continues. DON has been found to be forty to eighty times more potent than azaserine. Like azaserine, DON and 6-mercaptopurine in combination were found to be more effective against the mouse cancer than either agent used alone, and actually completely destroyed some animal cancers.

lodophors

Recent work in Philadelphia indicates that the antiseptic potentialities of iodine have even yet not been fully utilised. Research workers there have combined iodine with non-ionic wetting agents that absorb or "carry" iodine and release it in nascent form on contact with water. The combinations of iodine and carriers are called "iodophors" (Greek: phoros, a bearer). Already they are employed in America for sterilising equipment in dairies and for food processing factories, as well as for the recognised uses of iodine in hospitals and first-aid practice. Iodophors do not sting when applied to cuts or grazes and if spilled on clothing or bedding can be removed without trace by rinsing the article in water.

DDT Immunity

Scientists at the University of Illinois, investigating the nerve physiology of insects to learn why some of them are immune to DDT and other insecticides, have found that DDT itself, where effective, does not poison insects.

The material that is poisonous to the fly is an unknown substance in the blood created by DDT, and which paralyses the nervous system. The substance may also be formed by excessive shock. It was in fact created in cockroaches and crayfish both by DDT injections and by electric stimulation. Work is being done to investigate an enzyme which gives the house-fly resistance to DDT. It has been found that in the bodies of the insects DDT goes into fatty proteins carried in the blood stream.

New Uses for Synthetic Detergents

According to a survey report prepared for the American Chemical Society by Dr. Foster Dee Snell of Foster D. Snell, Inc., New York, when synthetic detergents are added to superphosphate fertiliser during its preparation the conversion of the phosphorus to forms available for plant nutrition is improved. As a minor ingredient of stock and pig feed, those detergents assure more economical food utilisation because they make it possible to increase greatly the content of molasses. Other applications noted for synthetic detergents include addition to a solution in which cut flowers are placed, to keep them fresh for a longer period than would be possible with water alone. The report states that each of the three largest soap companies in America now has a synthetic detergent toilet soap bar. One brand contains lanolin as an emollient, plus a bacteriostat.

Clinical Report on Tranquilliser

The first clinical report in the United States on Pacatal was presented to a meeting of the American Psychiatric Association in Chicago, Illinois, recently by Dr. H. Angus Bowes (clinical director in psychiatry, Saint Anne de Belle Vue Hospital, nr. Montreal, and a member, medical faculty, McGill University). Dr. Bowes said that the study over more than two years of tranquillising agents in the treatment of mental disease showed that those agents had greatly speeded up the rate of discharge from hospital, eliminated insulin shock therapy and sharply reduced the number of electro-convulsive shock treatments and lobotomy. He said that Pacatal was the treatment of choice in manic excitement and schizo-affective psychoses. In the more chronic patients, the new tranquilliser was most effective in the symptomatic treatment of aggression, destruction, restlessnes and insomnia. Pacatal, less toxic than chlorpromazine (in 250 cases it produced no evidence of liver or kidney damage), was found to be almost twice as strong a tranquilliser, but less hypnotic than the older drug. Chlorpromazine produced a faster response with the lean types whilst Pacatal acted more quickly in patients of muscular build. The two drugs appeared to act synergistically, but they appeared to be mutually antagonistic to each other's complications. That made possible the use of reduced doses and the elimination of undesirable side effects.



ZINC AND CASTOR OIL B.P. 53

	1 Doz.	3 Doz.	6 Doz.	12 Doz.
l oz.	6/-	5/9	5/6	5/3
2 oz.	9/-	8/9	8/6	8/3
4 oz.	14/3	13/9	13/3	12/9

TERMS Less $2\frac{1}{2}\%$ 14 days. FREE delivery van area. Outside carriage extra at cost. SAMPLE SENT ON REQUEST

Operation of Quantity Discount Prices. The prices shown under the various quantity headings can be taken for that product in any combination of sizes.

SKUSE & CO. LTD.

Manufacturing Chemists

839/841 Harrow Road, London, N.W.10 Phone: LADBROKE 2201-2-3 Grams: SKUDENT, HARLES

Hæmorrhoids A5

as advertised

S5

SUPPOSITORIES

Hæmorrhoids

A5 Ointment and S5 Suppositories for Hæmorrhoids rapidly cut itching and the formation of healthy tissue is stimulated. Cracks and fissures heal rapidly.

The remarkably rapid effect of this remedy is due to modern pain and inflammation relieving substances plus a special ingredient which resists infection and actually aids healing of skin and mucous membrane.

A5 Ointment and S5 Suppositories are being vigorously, extensively and persistently advertised to the public, and considerable demand has been created. Are you ready to meet this demand?

A5 S5 SUPPOSITORIES BY THE MAKERS OF NEO-DEX SKIN TREATMENT

as advertised

Supplies immediately available from

International Laboratories Ltd.

Dept. PA.68 205 Hook Road, Chessington, Surrey

Elmbridge 0044 (4 lines)



For Retailer, Wholesaler and Manufacturer
ESTABLISHED 1859

Published weekly at 28 Essex Street, Strand, London, W.C.2

TELEPHONE CENTRAL 6565
TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

A Call for Clear Thinking on Ethics

The change in the character of this year's British Pharmaceutical Conference meeting at Dublin, whereby the discussions on scientific and technical subjects are to be supplemented by what are described as "professional" sessions, has been generally welcomed as a development that puts the Conference on a much broader basis than before. Coupled with the facilities provided by the Society to enable Branch Representatives to attend for the whole of the Conference, the plan to organise, from a professional point of view, discussions on matters of general interest offers a new opportunity. It allows practitioners' opinions to be heard on matters on which hitherto the academic views put forward by theorists and idealists have perhaps tended to predominate.

How great is the opportunity that presents itself is revealed in the subject of the first of the two papers that are being presented, namely "Professional Conduct." The subject is being introduced by the secretary and registrar of the Society (Mr. F. W. Adams), whose paper has been circulated in advance to those who will attend the Conference so that all may come prepared to contribute to the discussion.

"Professional Conduct" is a subject specially controversial from the considerations that arise in trying to apply a discipline appropriate to a professional status to practitioners functioning in a commercial environment. What the Conference seems to need to thrash out is the extent to which ideals (a) can reasonably be attained and enforced by disciplinary measures or (b) must await general acceptance by practitioners after training, education and acquired status. Conduct sufficiently objectionable from a professional point of view to justify disciplinary action by the Statutory Committee must be distinguished from conduct that might be regarded, within the circle of pharmacists, as "bad form" or ill-mannered, but which would be acceptable commercially. The revised Statement on Matters of Professional Conduct accepted at the annual meeting of the Society in 1953 seems to confuse the two aspects of professional behaviour.

The first requirement at Dublin is to recognise the limitations of disciplinary procedure on the one hand, and the need for education and guidance on the other. At some stage in the development of pharmacy as a profession such a distinction may become unnecessary, but that situation lies a long way ahead, and at the present time pharmacists must know where they stand in the application of the Society's ethical policy. The

cases that have come before the Statutory Committee in recent years show that the pharmacist's problem in this respect is considerable, for some of the cases have been founded on complaints lodged by the Council of the Society about unethical, as distinct from morally disgraceful, conduct. So far, those complaints have dealt with two classes of behaviour: objectionable advertising and improper association between pharmacists and medical practitioners. In its objections in those "ethical" cases, the Society's Council has not always been upheld by the Statutory Committee, though in both types of case it has received some measure of concurrence. In consequence, the pharmacist in practice may at any time find himself in an ignominious position. Should the Council seek to establish that his methods are not in keeping with the Society's ethical aspirations, he may have to defend himself before the Statutory Committee in respect of the conduct of his

Indeed, it may well be asked whether the disciplinary procedure of the Statutory Committee is not being abused for the purpose of enforcing a policy. A further point arises out of the application of the Society's disciplinary procedure to the unqualified directors of corporate bodies. According to a report (C. & D., August 6, p. 143) upon disciplinary proceedings arising from the conviction of an unqualified director of a corporate body, the Statutory Committee found that the penal directions provided for in the Pharmacy Acts could not be applied to a company unless the misconduct of a director convicted of a criminal offence could be proved to have been instigated or connived at by a second member of the board. For being convicted of the same offence a pharmacist director might well have been struck off the Register. The distinction, which arises out of the court's interpretation of the protection given by the Act to employers in respect of misdeeds of their employees, would seem to make the prosecution's onus of proof more burdensome in respect of unqualified directors than of proprietor pharmacists, and to some extent to frustrate disciplinary control as applied to corporate-body ownership. For any standards of conduct that are to depend upon disciplinary action before they can be realised—and we have previously (C. & D., February 11, p. 143) given our adverse views on that method of establishing a progressive codeanother hazard seems to have been added, therefore, by the outcome of those proceedings.

The whole subject is one bristling with problems, and the mere reiteration of ideals adds nothing to their solution. The professional session of the Conference would be well advised to devote its time to considering the practical measures necessary to secure a more general recognition of ideals by pharmacists (whether employers or employees) rather than adding to the already overburdened conception of professional conduct in the abstract. The ethical policy of the Council needs to carry members with it as a matter calling for instruction, guidance and example rather than for the abuse of a disciplinary procedure that misfires more often than not in the type of case that has been under consideration.

The ideal of enhanced professional status has the support of pharmacists as a whole, but they must find their voice in establishing the necessary methods of achieving that status. The Dublin Conference offers the opportunity to do so.

Onward from Galen

A CURRENT CAUSERIE

Miss Audrey Noël Hume, writing on "Nineteenth-century Tooth-paste Pots" (C. & D. Annual Special Issue, June 30, pp. 618-19) ended her article with the remark that "as relics of Victorian tastes" the black-and-white lids must be considered equally as interesting as the coloured pots that were her subject. A subscriber has sent us a photograph of a



black-and-white top which, though not of a jar that contained tooth-paste, is probably very similar as a relic. Though he does not use the jars, he has still in his possession a number of examples which were "in stock" at the pharmacy when he took it over in the early thirties.

BOURCHARDAT, about whom a note has already appeared (C. & D., July 28, p. 94), was one of the most remarkable figures in the pre-insulin therapy of diabetes. Using the fermentation test, copper solutions, and the polariscope, he proved with Eugène Melchior Peligot that the sugar of diabetic urine is grape-sugar. In days when the metabolism of the disease was ill understood, he devised the most rational method of treatment up to his time. He avoided milk because of its high lactose content, substituted fresh fats for carbohydrates, advocated the use of green vegetables, invented gluten bread, and drew attention to alcohol as a calorific source of great value to diabetics, Bourchardat also reported cases of diabetes in which the pancreas showed pathological changes (1851). A treatise, De la Glycosurie ou Diabète Sucré, appeared in 1875, and Traité d'Hygiène publique in 1881. Bourchardat was the editor of Annuaire de Therapeutique, de Matière médicale, de Pharmacie et de Toxicologie; of Répertoire de Pharmacie, and of Union Pharmaceutique. He died in Paris on April 7, 1886, at the age of eighty.

CONTRIBUTOR J. J. Hayton's verses on "Varnished Lies" (C. & D., April 28, p. 327), finds an amusing echo in "Trade Secrets," a story by Biddy Smith in The Lady in which she describes her efforts to probe the secrets of the labels on the drawers in her husband's pharmacy. The dialogue went like this:

What's in this drawer, darling? "

Henry said, "Which drawer?"
I said, "The one that says Cortex Ulmi."
"Oh," he answered, "We keep the string in there."

Biddy tried another drawer.

This was labelled Opium T. which sounded rather thrillingdepraved Orientals doing unspeakable things in dens-but all it contained was a rusty old lipstick, two corks, and a spider. Myrrh conjured up biblical memories and somewhat vague associations with hot sands, camels, and amorous sheiks, but it contained laxative pills. Maranta was much better; it was full of hypodermic syringes.

"Darling," I said, "what's Maranta?"
Henry said, "Damn—eh?"
"Darling," I said, "what's Maranta?"

"Arrowroot," said Henry, crossing out his sums and starting again at the beginning.

But it's full of hypodermic syringes."

"Yes, the arrowroot's on the shelf above—now where was I?" I started on the second row. After a while, "Darling, what is Sem. Sinapis?" "Mustard seed." "But there's nothing in it." "Eh? No, we don't keep it." "Then why have the drawer labelled Sem. Sinapis?" "Well, why not, if there's nothing in

So far, so good, but in the remainder of the article the author's imagination has run completely riot. She writes:

There was a cupboard underneath the sink; this was more in my line, even I could tell what that contained, Scrubbing brush, floor-cloth, dusters, Brasso. I opened it. A row of gleaming bottles met my gaze. Opium, morphia, strychnine, cocaine, arsenic—heaven's above, enough to kill an army!

"Darling, shouldn't these things be locked up?"

" Yes."

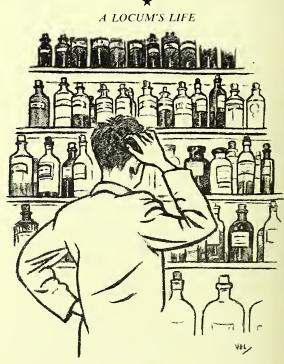
"Then why aren't they?"

"Well, it wastes too much time fiddling about with keys and things. Anyhow, no one would think of looking for them in there, so that's where we keep them.

'Actually, they're supposed to be in that one," and he pointed to another cupboard which had a large and imposing padlock on it and was labelled DANGEROUS DRUGS.

"Well, what's in that one, then?"
"Oh," he said, "we keep the tea things there."

That's surely a little too much for any pharmacist to swallow and the Society's Press Officer ought to get busy before the Home Office does.



"Where the . . .?"

A History of Pharmacy at Bristol Royal Infirmary

THE INFIRMARY PHARMACOPŒIA

By Laurence Dopson

BRISTOL is of course famous as the seaport for the importation of sherry, and "Bristol Milk" is familiar. Dr. Edward Lyne, who lived in Castle Green, employed the sherry as the basis for a specific for dropsy, and it worked so well that he became regarded as "a specialist in dropsy." Arthur Broughton suggested "a few glasses of wine, more or less" as a prophylactic against influenza. Unfortunately it did not prevent him from contracting the disease in the severe epidemic of that year, during which Joseph Shapland, who had been apothecary to the Infirmary, 1746-53, used to make up a mixture at the rate of a firkin (about 7½ gall.) at a time.

The wine cellars of Bristol had yet other pharmaceutical calls. Dr. Walter Kennedy Craufuird, elected to the staff of the Infirmary in November 1802, prescribed cobwebs by mouth to such an extent that the "cellars of Bristol were ransacked for a supply."

In 1833 two rooms were set aside for leeching, and the minute book of the house committee contained the following entry:

Zaccheus Hunter for leeches £79 6s. 6d.

In the early years of the nineteenth century "the great thing was to get back the bottle." To ask the patient was rather infra dig., and it was usual for the boy who delivered the medicines to make an arrangement with the servants of the house, who regarded the bottles as a perquisite. Another plan was to bargain with women who at that time went around crying "Poticaries' bottles to sell." They were usually on a good understanding with the apothecaries, and charged only a small percentage for the recovery of their bottles and gallipots.

Dr. Smith points out that the dispensing druggists, who came to the front in the early nineteenth century, had existed in Bristol for some years, "but in a suppressed and languishing condition." James Grace, who had applied for the Surgeoncy at the Infirmary in 1754, set up a shop in Pump Street in 1760. In 1784 Edward Tucker had a "Medical Dispensary" in Union Street, his brother one at 11 Clare Street. When Till Adams died in 1786, his wife carried on

the business; and in 1795 Mr. Jackson was at 23 Wine Street. "He was one of the first in Bristol to open a fine shop, with large glass jars in the window."

Stock Formulas

To lessen the dispenser's work, it early became the custom at Bristol Royal Infirmary to keep certain stock recipes ready for use, and that led to the formulation of an Infirmary pharmacopæia. In the 1779 Rules of the Infirmary it was ordered that two copies of the "Formula medici," as it was then called (it was compiled by the physicians and surgeons), should be kept in the "shop" or dispensary. Ultimately the prescriptions were printed under the title of *The Pharmacopæia of the Bristol Royal Infirmary*, which went through several editions.

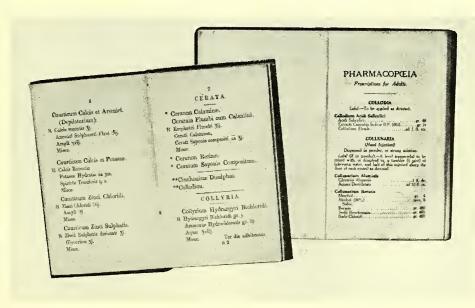
The directions were at first written in Latin, and members of the medical staff used on occasion to air their classical knowledge in regard to them. For example on November 10, 1857, Dr. Edward Long Fox, fresh from Oxford, proposed that the word "utendum" should be expunged, and Mr. Augustin Pritchard proposed "that the Imperative mood should be substituted for the Gerund whenever possible." Dr. Wm. Budd suggested that all directions should be in English, but such iconoclasm met with no support. Nevertheless the 1858 edition was the last in which the directions were printed in Latin. In the 1871 edition they appeared in English.

In the later years it was one of the duties of the pharmacist to assist the Medical Committee in the compilation of new editions of the *Pharmacopæia*. The successive editions reflect changing conditions in all things, beginning with their price, which in 1891 was one shilling (interleaved, 1s. 6d.) and in 1935 was 3s.

The Pharmacopæia of 1858, which I have been able to inspect through the courtesy of Mr. A. L. Taylor, F.P.S. (chief pharmacist, 1899-1946), had the resounding Latin title of *Pharmacopæia in usum Nosocomii Regalis Bristoliensis Accommodata*. It is a 92-page booklet measuring 5.4 x 3.2 in. There is a fairly long list of errata for the size of the



W. K. Craufuird: He ordered
"cobwebs by mouth." Right: A
contrast in styles—the Infirmary
pharmacopecias of 1858
and 1935.
Balnea, cataplasmata, caustica,
cerata and collyria have disappeared
examples.



cerata and collyria have disappeared. Collodia (three introduced in 1920) have dwindled to one. Collunaria, unknown in 1858, are represented by five



The remainder of the series of Bristol Royal Infirmary pharmacopæias: the editions of 1871, 1871 revised for 1882, 1891, 1898 and 1920.

book. Some of them (the only directions in English) appear to be due to bad proof reading, as Asafætidæ for Asafætidæ, but most to confusion over the rendering of drugs in Latin, thus belladonna is corrected to belladonnæ and pilula rhei compositæ to pilula rhei composita. A few of the compositions are not unfamiliar—unguentum iodinii compositum, for instance; and the prescription for mistura ferri arsenicalis would be easily recognisable:—

But one notes that there is no mention of morphine—only of mixtures containing opium. An unfamiliar class of substances is the cataplasmata, for example Cataplasma Dauci:—

R. Dauci carotæ radicis q. s.

Coque radicem donec ad pulpam reducta fuerit.

The 1871 Pharmacopæia has an English title-page Pharmacopæia of the Bristol Royal Infirmary, and the directions are in English. It measures 6·1 x 3·9 in. and consists of seventy-four pages, the last comprising a diet table. There is a section devoted to Injectiones, three being specified. The first is injectio acidi carbolici:—

Morphia makes its appearance, the composition of a morphia pessary being:—

R Morphiæ hydrochloratis gr. ij.
Olei theobromæ 3j.
Olei olivæ 5ij.
Mix. Divide into eight pessaries.
One to be introduced every night.

When the edition was revised in 1882 a number of changes were made. The misprint on the title Pharmacopæia was corrected, and the cataplasmata, reduced from five in 1858 to one in 1871, finally disappeared. The vapores were to appear under Inhalations. The marked copy of the 1871 pharmacopæia in preparation for the new one shows that the revision was extensive, the old prescriptions being ruthlessly pruned. Thus all the liquores and potûs were deleted, and many misturæ were to disappear.

The 1891 Pharmacopæia of the Bristol Royal Infirmary was a book of smaller page size than its predecessors, being 4.7 x 3 in, and consisting of forty-eight pages. It was marked "Printed for Private Use. Copies may be had at the Infirmary, Price 1s. each, interleaved 1s. 6d." Directions appear

for the first time: "POISON.—The Lotion to be used as directed." A picture of times long past is conjured up by the lotio zinci sulphatis "for Out-Patients." Gr. xl of zinci sulphatis (ex chartâ) was "to be added to a pint of rain water."

The Pharmacopæia of 1898 was a more elaborate pocket book of eighty-two pages, measuring 4.9 x 3 in, and containing Prescriptions for Adults, Prescriptions for Children, Doses for Different Ages, Doses of Pharmacopæial Preparations, Treatment of Poisoning, Weights and Measures Tables, and Diet Table. A note in Mr. Taylor's copy shows that linimentum opii ammoniatum was known as Bow's liniment. It first made its appearance in the 1891 book and was composed of:—

In 1920 came the *Pharmacopæia of the Bristol Hospitals*, issued jointly by the Bristol Royal Infirmary, the General Hospital, the Royal Hospital for Sick Children and Eye Hospital. It was a slim green-bound volume measuring 5·3 x 3·2 in., into which, by using smaller type, the committee of revision crammed a great deal of information, filling eighty-three pages. The last item is a "Note on the adoption of the metrical system of weights and measures in dispensing and prescribing"; it includes the recommendations of the Council of the British Medical Association in 1911, put forward "as a transitional measure."

Last of the Line

Finally in 1935 appeared the last of the Bristol Pharmacopæias. The Pharmacopæia of the Bristol Voluntary Hospitals now measured 5.6 x 3.2 in, and contained ninety-eight pages. There is no mention of the sulphonamides. The antibiotics were as yet unheard of. The booklet, issued in the year of King George V's Silver Jubilee, seems in many ways as remote in pharmaceutical time from the present as the edition of 1857. A manuscript endorsement has its interest. Against the entry paraffini liquidi 10 fl, oz, under emulsio paraffini cum agar is the remark: "25 per cent. only during the war."

From 1891 onwards the Bristol pharmacopæias give diets, and a study of them is revealing. In 1891 there were five types of diet at the Royal Infirmary: Low diet gave the patient a pint of milk for breakfast, 8 oz. of pudding for dinner, and a pint of milk for supper, with 8 oz. of bread daily. Milk diet was the same, plus 1 pt. of beef tea or mutton broth for dinner. Middle diet reduced the milk to

½ pt. and increased the bread to 12 oz. The main difference was that 3 oz. of meat and 3 oz. of potato were given for dinner. If one was on full diet, meat was 6 oz., potato 6 oz. Special diet introduced "fowl, fish, chop, &c., as ordered." A footnote explains: "Pudding of rice, sago, or tapioca."

By 1898 an additional diet seems to have consisted of nothing but three pints of milk daily for breakfast at 6 a.m. Vegetables were added to the middle and full diets, the special diet of chops, etc., having disappeared. There is a note that patients on admission are to have nothing but milk until a diet is ordered. At the foot of the 1898 diet table are the following directions for a "nutrient enema": Yolk of one egg. Peptonised milk, 3 oz. By 1898 patients were having four meals, if a drink of milk for mid-morning lunch be included.

The diet tables in the 1920 joint pharmacopæia were much more elaborate—and so were the nutrient enemas, of which there were now three. One is as follows:—

Milk, 4 ounces.

Plasmon, 2 drachms.

Bicarbonate of soda, 20 grains.

Liquor pancreaticus, 1 drachm.

Pancreatise the milk for 20 minutes at 37° C. 5 minims of tincture of opium may be added immediately before administration to assist retention.

The 1920 pharmacopæia contained "Notes on the Feeding of Infants" which included, as a sign of the times, reference to "vitamines."

In 1935 the patients at the Bristol hospitals had diet tables which gave the calorific value in brackets after each

item but which were the same, in all essentials, as those of 1898—meat on the full diet was still 6 oz., though the potatoes had been reduced to 6 oz. For breakfast the patient now had butter with his bread. Several pages are now devoted to particulars of special diets—calcium-poor diet, calcium-rich diet, ketogenic diet, Sippy's diet and so on.

The Bristol Royal Infirmary unfortunately possesses no pharmacopæia earlier than 1920, the copies from which items have been quoted having kindly been loaned to the author by Mr. Taylor. The pharmaceutical department at the Royal Infirmary has, however, the following:—

Pharmacopæia Londinensis, 1632.

Pharmacopæia Collegii Regii Medicorum Edinburgensis, 1792

History of Drugs, by Pomet, 1712 (English translation). The last was found by the present chief pharmacist (Mr. G. H. Darling, F.P.S.) as a paper parcel of loose sheets, and he had it bound.

Replaced by National Formulary

The hospital pharmacopæia is no longer in use, as the National Formulary has taken its place. But the drug economy committee (which will be described in the final article in this series) has produced a small booklet, which has been prepared with the co-operation of all members of the staff. This booklet briefly outlines the essential use of each drug, its dangers and, not least, its cost. It emphasises that, in selecting the right drug, one must consider the organism that it is to be used against, the sensitivity of the organism, the toxicity of the drug, the resistance of the drug, the ease of administration, and, in relation to its value to the patient, its cost.

NEW FILMS AND FILMSTRIPS

Removal of Clothing and Treatment of a Fractured Collar-Bone.

FILM LIBRARY, I.C.I., LTD., Imperial Chemical House, Millbank, London, S.W.1. Catalogue No. FA7. Running Time six minutes. 16 mm.

THE film shows in detail the easiest method of removing clothing, followed step by step with the treatment of the fracture.

First Aid for a Patient with a Fractured Spine

FILM LIBRARY, I.C.I., LTD., Imperial Chemical House, Millbank, London, S.W.1. Catalogue No. FA8. Running time eight minutes. 16 mm.

THE victim of an accident involving a fall from a height is suspected of having fractured his lumbar spine. First-aiders demonstrate the correct method of handling and treating the injury.

Advertising from the Inside

W. S. CRAWFORD, LTD., for the ADVERTISING ASSOCIATION, 1 Bell Yard, London, W.C.2. sixty-two frames. Commentary on single L.P. 33 r.p.m. 10-inch disc, Thirty-two minutes. Script by Lindley Abbatt (spoken by Leonard Sachs). Kodachrome.

THE strip portrays the working of an advertising agency for the benefit of new workers within it and of school-leavers undecided on a career.

Care of our Teeth

BUCKINGHAMSHIRE COUNTY COUNCIL. Producers: Camera Talks, 23 Denmark Place, London, W.C.2. Nineteen frames. 35 mm. Colour. £2 12s, 6d.

In a series of clear photographs and diagrams the strip demonstrates the need for regular visits to the dentist, tells of the foods necessary to help one keep teeth fit, and draws attention to the correct method of cleaning the teeth and the choice and care of the tooth-brush. The results of neglect are depicted.

Nitrogen and its Compounds

A. TOWERS, M.SC. (senior science master, Boys' Grammar School, Stretford). Producers: Common Ground. Suppliers Educational Supply Association, Ltd., 181 High

Holborn, London, W.C.1. Twenty-eight frames. 35 mm. 16s. 6d.

THE strip is one of a series designed to present photographs of industrial processes in operation and to explain their working by means of diagrams. It should prove useful for revision work and to students who may be working with limited apparatus. The notes which accompany the strip present points of historical interest in the discovery and use of the element and its compounds. Some of the notes are divided into a concise statement for the specialist teacher's amplification and more detailed notes for the non-specialist. The photographs picture plant in operation today, The filmstrip is divided into four sections dealing in turn with sources of nitrogen; nitrogen in agriculture; nitrogen fixation; and nitric acid and nitrates.

Panorama, Nos. 10 and 11

FILM LIBRARY, I.C.I., LTD., Imperial Chemical House, Millbank, London, S.W.1. Catalogue Nos. G31 and 32. Running time eighteen and seventeen minutes respectively. 16 mm. Black and white.

PANORAMA 10 opens with aluminium alloy being used for building a coach for London Underground, starting from a billet at an I.C.I. metals division works in South Wales, and finishing with the completed coach leaving the Metropolitan-Cammell Works, Birmingham. Next is given a glimpse of the company's Wilton works in North Yorkshire, comprising some of the most advanced chemical plants in the world. Finally one of the representatives of the Alfloc water-treatment service is shown advising customers. No. 11 showing some of the lesser-known uses of Alkathene, goes on to depict a fashion parade at Hutchinson House, London, where Terylene garments from the leading fashion houses of London, Paris, Rome and Madrid were on show. Lastly, the film shows salt production in the salt division works.

INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

LAMBERTS Dutch-cap pessaries A.G.U. rheumatism cure

ARTIFICIAL LIGHT PHOTOGRAPHY 5. Flashbulb Circuits

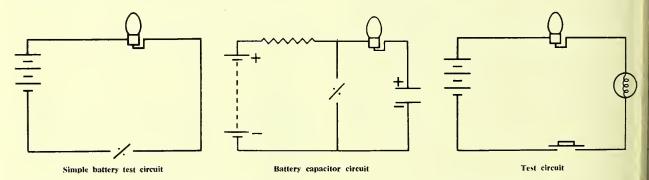
THE object of this article is—without confusing the reader with little or no knowledge of electrical principles—to cover the main points that arise in the use and sale of flash-bulbs. A flash-bulb is fired electrically, and a circuit of 3 volts 0.4 amps is necessary to fire it at all. In practice it is found that $4\frac{1}{2}$ volts, 1 amp, is needed if the flash-bulb is to fire on time, and that can be supplied by three U2 cells connected in series. Many old-type flashguns use only two smaller dry cells, and it is essential that they should be fresh or reasonably fresh. Dry batteries deteriorate, whether in use or not, and after a short time are incapable of producing sufficient current (amperage) to fire consistently. Bad or dirty contacts anywhere in the circuit prevent firing, but the most common cause of failure is deteriorated batteries. The circuit is a simple series connection as used in a pocket torch, the shutter contacts taking the place of the switch.

Battery-capacitor Flash-guns

Bécause of the short life of ordinary dry cells, most modern flash-guns operate from a battery-capacitor circuit, in which a 22½-volt hearing-aid battery is used to charge a

is a small risk of bursting. They are, however, unlikely to give the full light output, and will produce a slow yellow "sizzle." For that reason they should not be used. Rough handling in storage or transit, even if insufficient to cause external damage, may result in breakage of the small igniter filament, and affected flash-bulbs will not fire. The damage can be indicated by a simple continuity test circuit, which consists of a 4.5-volt flat battery connected in series with a 6-volt, 0.04-amp, cycle rear-lamp and flash socket. When a flash-bulb is placed in position, the circuit is completed through the flash-bulb and test lamp, although, on account of the resistance of the lamp, the bulb will not fire. If there is a circuit through the flash-bulb the test lamp glows, but a broken filament prevents the test lamp from lighting up.

Flash-bulbs are tested after manufacture, but if subsequently damaged in transit or storage are replaced to the dealer (or through him to the customer). The simple test circuit described can be made up by the dealer for a few pence, but Johnsons of Hendon, Ltd., make a flash tester (price 21s.) which may be used to test the continuity of all types of flash-bulbs as well as shutter contacts.



condenser, and the condenser is discharged through the flash-bulb when the shutter contacts are closed. The battery, a 2,500-5,000 ohms resistor; the flash socket; and a 100-250 microfarad capacitor, are connected in series. When the flash-bulb is inserted, the battery charges the capacitor through the resistor and flash-bulb. The shutter leads are connected in series with the flash-bulb and capacitor so that when contact is made, the discharge is through the bulb. As well as being compact, the apparatus is extremely reliable. The same battery may be used for over a year, and up to 10,000 positive firings obtained. Two points of interest for the dealer are:—

1. The batteries will *not* fire a flash-bulb directly: though giving $22\frac{1}{2}$ volts, the current is too low for firing..

2. Polarity is important. Except for one or two models which use electrostatic capacitors, the battery must be inserted correctly. B-C flash-guns are marked inside with + and—signs, showing how the battery should be placed. The usual placing is plus side at top (in the direction of the arrow on the side of the battery).

Test Circuit

External damage to a flash-bulb is indicated by the "safety spot," which turns from blue to pink. It is important to keep the items in their original packing until needed, and to check on the spot before use. In the small flash-bulbs the spot is on the glass bead under the filament inside the bulb. Pink-spot flash-bulbs usually fire, and there

Test Lamp in B-C Flash-guns

Another method of testing for continuity (intact filament) is often incorporated in B-C flash-guns. A small lamp (usually the 6-volt, 0.04-amp. cycle rear lamp) is connected across the capacitor. The flash-bulb is placed in the flash-gun socket, and the test switch closed. That discharges the capacitor through the test lamp, which lights briefly. As the capacitor was charged through the flash-bulb, the lighting-up proves that there is continuity. Flash-guns of this type may be used by the dealer for continuity testing. The following points should be noted:—

1. When the test button is released, the capacitor immediately recharges through the flash-bulb. It is therefore possible to test a sound flash-bulb which, before removal, allows the capacitor to recharge. A broken-flament flash-bulb subsequently placed in the socket still shows a light from the test lamp, though the charge has been made through the first bulb. It is therefore advisable to discharge the capacitor through the test lamp before inserting the next bulb for test or to test each flash-bulb at least twice.

2. Though it happens but rarely, the filament of the test lamp can be broken by rough handling of the flashgun, and a periodical check is worth while, as the lamp will not then light with a sound flash-bulb in the socket.

BOOKLETS will shortly be available, price 7s. 6d. each, of the "Modern Course of Photographic Studies" first published in these columns as a series of articles by Dr. H. Baines.



We have been considering renovating our shopfront, especially the stone-work below and to the side of the windows. Our original intention was to have a granite facing put on to the existing surface. On investigation we found the base to be sandstone, which has been painted and repainted for many years. Is it possible to face sandstone with any other material, either natural or synthetic?

THE matter is one you will have to discuss with your local town and country planning authority. Generally speaking the face of the pilasters of a shopfront (the vertical masonry on either side of the shop window) forms the "building line" of the premises, beyond which you may not encroach without written permission. You may not, therefore, plant on or fix to the face of such pilasters any further building material without written sanction. There are instances where the stall-riser (the masonry below the sill line) is set back behind the pilaster face (or the building line). If that allowed a new material to be planted on the face without projecting in front of the building line, permission might be granted. In the illustration one such instance is shown. If the set-

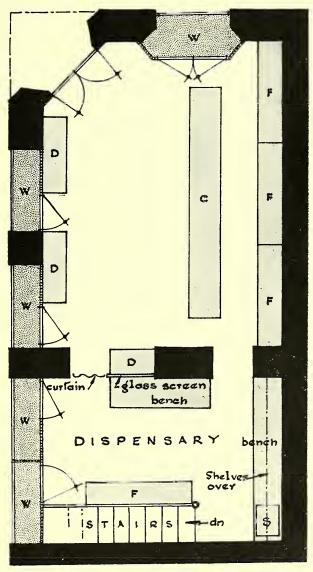
back were, say, around 3 in, it might be permissible to fix a new glass granite facing (say $\frac{3}{4}$ in, to $1\frac{1}{4}$ in, thick). facing frieze There is an alternative way of overcom-Transome ing the difficulty but I rail am afraid a rather expensive one, namely soffit to hack off the present sandstone face to the required depth and then to fix new granite or marble facings, pilaster always taking care that the original buildand building ing line is not exceeded. There, too, line you must seek and obtain the sanction of the authorities, as you are changing the facglass. ing material of the building. The only other suggestion can make to you is that of cleaning. If the paint has been on for years it is possible window. that it may have peneenclosure trated into the sandstone face, but it might be practical to remove it with a stiff window wire brush. would probably re-move the paint and bed Sill . restore the original clean sandstone finish. Sandstone Stallriser Whether that colour would suit you is another matter. Perbrick mission to repaint or povement clean down would not

be required.

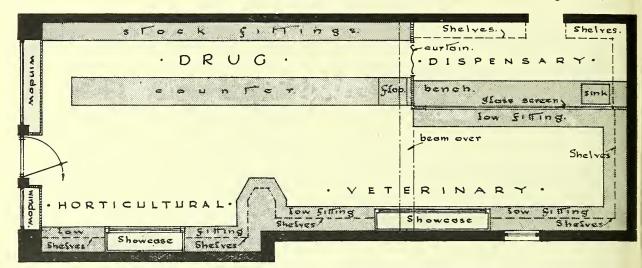
Could you advise on the enclosed shop plan? At present the counter runs the full length of the shop, and part of the front shop is used for dispensing. The window at the top is used only as a source of light. The intentions are to convert the window at the top into a show window; to transfer dispensing into the back and to have a visual screen-type dispensary; to put a stairway at the back, leading to the cellar.

Your main plan which you submitted has only the overall major dimensions, and there are no sizes to the various openings. Those dimensions I have had to assume, so that if they do not agree exactly with the sizes on the site, you will have to make adjustments.

SHOP. The window at the top has been converted into a show window, with shaped enclosures and a pair of doors for access. That may mean cutting the length of the existing counter; the wall fittings would remain as at present. As only one-half of the window enclosures on the left open, I have backed on to the fixed lengths two display units: showcases of the same height as the wall fittings opposite, with all-glass sliding doors in both the upper and lower sections, the interiors spray-painted a pastel shade and fitted with adjustable plate-glass shelves. If it is practicable to illuminate the showcases, to do so would add considerably to their selling power. At the party wall between shop and dispensary there are two openings, one large and the other small. The large opening has a curtained access from dispensary to shop, and adjoining the curtain would be a counter unit



KEY: C-Counter. D = Display showcase. F = Fitting, S = Sink, W = Window,



3 ft, high with all-glass sliding doors at the front. Above it would be a glazed screen to enable anyone working at the bench to see into the shop. You may consider that the curtained opening is not necessary. In that event the low counter display and glass screen could run across the complete width of the opening. Access would then be confined to the smaller opening on the right.

DISPENSARY. The main item here is possibly the stairs which you wish to install. Those I have placed against the rear wall. An open-locker dispensary fitting backs upon the stair balustrade, leaving clearance to open the window enclosure door. A short bench backs upon the party wall

at the glass-screen position. If the curtained opening were omitted the bench would naturally be extended in length. The right-hand wall has a full-length dispensing bench with sink at one end and wood shelves fitted above.

I enclose a rough plan and some snapshots of my shop, situated in a small village in Eire with about 2,500 people. Parts marked X are extra spaces I expect to take in by alterations. Could you let me have a plan? Ceilings are low and in poor condition, but, with the minimum of structural alteration (the house is old) I want to use available space as advantageously as possible. The main part of the business here is veterinary, and I intend developing the horticultural side (weed-killers, etc.).

I CANNOT find the markings on your plan as mentioned, but they would presumably be the hall and store areas. Upon that assumption the proposed plan (top of page) has been prepared. Unless you are prepared to remove the partition between hall and shop, and the main wall between store and shop you will not reap the full benefit from your premises. Both partition and wall have been removed on the drawing showing the new scheme and you will note that where the wall has been an overhead beam is indicated in dotted lines, this illustrating the new steel which would have to be introduced to carry the upper floor.

duced to carry the upper floor.

No alteration has been made to the present shopfront and entrance door, but the side passage door has been removed and a small window or display case introduced in its stead. Access to this case for dressing would be by hinged doors at the rear. The chemist's section of the shop has been extended along two-thirds of one wall, this consisting of stock fittings with service counters in front. The remaining third of this wall is given over to the dispensary, this being in the form of a dispensing bench, complete with sink, and open shelving arranged on two walls in the manner shown. A glass screen encloses the dispensary, this enabling the chemist to see across the shop, the fitting on the outside face of the screen being low and below the glass line.

The opposite wall is given up to the horticultural and veterinary sections as indicated on the plan. The horticultural section consists of a low fitting 3 ft, high consisting of open lockers, the top of the fitting being in either polished hardwood or treated with a plastic veneer. Centrally on top of this low fitting would be placed a showcase, the overall height of this being 7 ft. approximately. This showcase

would have all-glass sliding doors at the front for access, the interior being fitted with two or three lines of plate-glass shelves. Flanking either side of the showcase and mounted on the wall would be three lines of wood shelves to carry stock and display above the 3 ft. low fitting.

The veterinary section would be treated in the same manner; namely, continuous low fittings with a showcase above, the low fittings extending across the rear wall and then back along the face of the dispensing screen. As a division between the horticultural and veterinary sections it will be seen that the low fitting and its shelves above come forward in a splayed angle shape, at the point where the wall breaks forward.

Although open lockers throughout have been suggested for the low 3 ft. fittings, this being the most economical construction, they could, of course, have cupboard sections with wood sliding doors introduced at intervals, one suggestion being that the cupboard units come directly below the showcase positions. Such refinements are, of course, dependent upon the specific stock requirements of the enquirer.

In reference to the lighting, the two new showcases should, of course, be illuminated, while a line of fluorescent light fittings on the centre line of the ceiling and running from back to front should be sufficient for the general shop lighting. An additional tube, possibly on the inside top face of the dispensing screen, to give extra light to the dispensing bench would also be advisable.

FACILE EST INVENTIS ADDERE

or "Doctor, take your pick"

THE older man looked at his shelves fully stocked And sighed, "I'm alarmed by this trend. What strange new devices will science concoct? And what is the logical end? From antibiotics to liquid shampoos, From cortisone preps. to hair lacquer, A greater variety daily accrues, Am I a dispenser—or packer?"

The younger man answered, "You cannot stop science Or halt therapeutic invention, I'm afraid nowadays they place little reliance On your freshest infusion of gentian. Inspiration is there for the student who seeks, Transcending the "spotting" of scilla, And I'm as absorbed in aseptic techniques As you in decocting vanilla."

Said the older man, "Son, you misjudge my complaint,
To science I give all its due.
I'm fully aware that my methods are quaint,
And try to keep up with what's new.
But each maker who profits from science assigns
To new things his own fancy name.

I'm willing to take on a score of new lines— What grieves me is when they're the same!"

J. J. HAYTON





Face price 2/9; Trade price 24/9 a doz. No. 11 parcel (2 doz. x 1lb. cartons) £2.4.0

GLUCODIN

for energy-swift and sure



GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRON 3434

a choice of different packs! Ronson Electric Shaver

First, there's the familiar and ever popular presentation case, which contains the Ronson Shayer, flex, adaptor and cleaning brush.





This is the new Stow-away pack, light-weight, unbreakable and washable. It holds the Ronson Shaver and flex, and takes up the minimum room in suitcase or drawer.

The luxurious Ronson Trip Kit in genuine coach hide, is a self-contained toilet kit. It holds the Ronson Shaver, together with flex, adaptor and cleaning brush, toothbrush, toothpaste, comb, mirror and nailfile.



Stock up with these new packs today!

And remember! For extra sales, tell your customers about RONSON'S 14 days' free trial scheme and special deferred terms.

RONSON PRODUCTS LIMITED · LEATHERHEAD · SURREY · TELEPHONE : LEATHERHEAD 4444

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, AUGUST 15: There has been little activity in the CRUDE DRUGS market. The first signs of price confusion following the passing of the Restrictive Trade Practices Act are being seen in the PHARMACEUTICAL and FINE CHEMICALS market.

There is little likelihood that agreements between manufacturers on common prices will be registered under the Act and in future, therefore, manufacturers can be expected to act independently. Thus only one manufacturer has notified reduced prices for certain IODIDES, IODINE and IODOFORM. Possibly prices may become stabilised again but meanwhile the position is obscure.

Shipment offers of AGAR Kobé
No. 1 are reported. Tolu Balsam
(genuine as imported) is a little easier.
Supplies of GENTIAN, now landing, are
being quoted at 180s. Both Chinese
and Brazilian MENTHOL are firmer on the spot. Senega is firmer both spot and forward. Up are Pimento, spot and forward, and Mombasa Chillies for shipment. Among Waxes, BEES'-Dar-es-Salaam-is harder for shipment. Fatty grey CARNAUBA is easier both on the spot and for shipment; prime yellow

the spot and for snipment; prime yellow is harder in those positions.

Among English-distilled ESSENTIAL OILS, CUMIN was down by 8s. per 1b. and PIMENTO was up by 10s. per 1b. Limited supplies of Bahama toilet sponges of reported excellent quality are expected in London in the near future. Permission to fish for the future. Permission to fish for the sponges was granted by the Bahama Fishing Board early this year for the first time in twenty years. Fishing completely ceased when blight attacked the sponge beds off the Bahamas and the Florida coast, and is only now resumed

Pharmaceutical Chemicals

ACETIC ANHYDRIDE.—10-ton lots are now quoted at £130 per ton, delivered U.K. in returnable drums; 1-ton lots, £132.

BISMUTH SALTS.—The following are the prices (per lb.) in largest bulk packages:—

	1-cwt.	28-1b.	7-1b,		
AREONATE ALICYLATE UBGALLATE UBNITRATE	s. d. 23 5 22 6 21 8 20 11	s. d. 23 8 22 9 21 11 21 2	s. d. 27 6 26 5 25 5 24 7		

cwt. lots are 3d. per lb. less than the cwt. rates. The present 1-cwt. rates for ther salts are:—CITRATE, B.P.C., 22s, 8d.; TIRATE, crystal, 14s, 8d.; OXIDE, B.P.C., 7s, 7d.; OXYCHLORIDE, B.P., 27s, 9d.; XY10DOGALLATE, B.P.C., 28s, 9d. and TRI-ROMPHENATE, B.P.C., 26s, 9d.

EPHEDRINE.—In 100-oz. lots ALKALOID is ominally 7s. per oz.; HYDROCHLORIDE and IPHATE, 4s. 3d. per oz.

FORMALDEHYDE. — B.P. solution is s. 3d. per cwt. for 4-cwt. lots including the drums.

HYDRAZINE HYDRATE. — Price per ton is 53 for the 10 per cent. (w/v) solution d £33 for the 2½ per cent.

HYDROCYANIC ACID. — Dilute B.P.C. is m 1s, 5d, to 2s, per lb., as to quantity; heeles is from 1s. 9d, to 2s. 4d.

HYDROQUINONE.—Quotations for 1-cwt. s are 10s. 6d. per 1b. For smaller antities, viz., 28-lb., 10s. 9d.; 14-lb., 6d.; 7-lb., 12s.

HYOSCINE HYDROBROMIDE.—Scarce, 1-oz. lots are from 97s. 6d. to 115s, per oz. as to quantity and holder.

IODIDES. — The current quotations are given below, but one manufacturer is quoting lower prices for the sodium and potassium salts.

IODIDE	per lb.	Quantity
AMMONIUM ARSENIC TRI- CADMIUM CALCIUM (PLATES) ETHYL LITHIUM POTASSIUM SODIUM STRONTIUM ZINC	s. d. 22 0 47 6 22 6 22 3 27 6 29 0 13 7 16 7 23 0 27 9	28 lb. 28 lb. 28 lb. 28 lb. 28 lb. 28 lb. 1 cwt. 1 cwt. 28 lb. 7 lb.

lodine.—Resublimed is 17s. ld. per lb. in 1-cwt. lots. One manufacturer is quoting lower prices. Minimum delivered rate for CRUDE is lower at 22s. 4d. per kilo.

IODOFORM.—Powder is 26s, 1d, per lb, in 1-cwt, lots and crystals, 28s, 9d. One manufacturer is quoting lower prices.

ISONIAZID.—In 5-kilo lots the price is about 140s, per kilo.

LACTOSE.—English, in 1-ton lots packed in 1-cwt. paper-lined sacks, is £137 per ton, delivered in the United Kingdom.

LITHIUM SALTS. — Current minimum rates (5-cwt.) are as follows:—BENZOATE, 11s. per lb.; CARBONATE, B.P.C., 11s. 3d.; CHLORIDE (commercial), 10s, 9d. to 11s.; HYDROXIDE, 9s. 9d.; CITRATE, B.P.C., 9s.; SULPHATE, 8s. 6d.; SALICYLATE, 9s. 9d.; (10-cwt.), delivered.

MERCURY DERIVATIVES. — Quotations (per kilo) for 50-kilo lots are as follows:—
AMMONIATED, B.P., lump or powder, 60s.;
PERCHLORIDE, B.P., powder, 53s. 6d. and lump, 54s.; SUBCHLORIDE (calomel) B.P., 61s. 9d.; OXIDES, B.P.C., levigated or yellow, B.P., 65s. 6d. low. B.P., 65s. 6d.

METHOIN.—B.P. is about 120s. per lb. POTASSIUM NITRATE. — Pharmacopœial quality is 145s, per cwt. (crystal. granular or powder) and commercial, 90s.

Potassium permanganate. — Rate for R.P. material for 1-cwt, lots is 1s. 9d. per lb., and for technical, 183s, 6d. per cwt.

SODIUM METABISULPHITE. — Granular in 1-ton lots is from £46 2s. 6d. to £50 7s. 6d. per ton according to packing.

SODIUM PHOSPHATE. - B.P. powder is 125s. per cwt.

SODIUM SULPHATE. — Makers' prices for B.P. range from £11 10s, to £18 17s, 6d, per ton as to crystal and quantity, ex

Sodium sulphite. — 1-ton lots on the spot of anhydrous (48-50 per cent.) are £66 10s. per ton in 1-cwt, drums or £62 5s. in 1-cwt, bags; CRYSTALS, B.P.C., are £31 15s, per ton in 2-cwt, paper-lined bags. Commercial crystals are from £25 5s. to £27 as to packing. bags. Commercial crysta £25 5s. to £27 as to packing.

Sodium Thiosulphate.—Makers price I ton lots in paper-lined bags is £35 15s. per ton.

TEREBENE. — For 1-carboy lots, 4s, 2d, per lb, is asked. In winchesters, prices are from 4s, 3½d, to 5s, 2d, per lb.

TEREBINTH.—B.P. is 2s. 3d. per lb.

Crude Drugs

ACONITE. — Spot supplies of Spanish napellus are 3s. 9d. per lb., duty paid.

AGAR.—Kobé No. 1 is from 13s. per lb.. duty paid; for shipment, 11s. 9d., c.i.f.

ALOES. — Prime Cape for shipment is valued at 330s, per cwt., c.i.f.; spot, 345s, Curação, 345s, spot and 340s, c.i.f.

Antimony. — English 99.6 per cent. is £222 10s.; 99 per cent. £210 per ton.

Areca NUTS. — Supplies difficult at origin and on the spot.

Asafætida.—Persian block is scarce on the spot with prices nominal.

BALSAMS.—Quotations (per lb.) are:—CANADA: Offers difficult to get from origin; spot; nominally 22s. 6d. COPAIBA. solible, 8s. to 10s., duty paid. PERU, short at origin; spot, 9s. 9d., duty paid. TOUJ (genuine as imported) is 26s.: B.P. is 17s. 6d., spot.

CAMPHOR. — B.P. POWDER is from 5s. 3d. per lb. duty paid. TABLETS, \(\frac{1}{2}\)-oz. are 5s. 10d., c.i.f., and 6s. 4\(\frac{1}{2}\)d., spot.

CAPSICUMS.—East African on stalk are 150s, per cwt, on the spot.

CARDAMOMS.—Aleppy greens for prompt shipment are 14s, 9d. per lb., c.i.f., with new-crop. September-October at 13s, 6d., c.i.f. Spot is 15s, 6d.

CASCARA SAGRADA.—American 1954 processed peel is offered at 275s. per cwt.. duty paid. New-crop for shipment reported short at 275s.. c.i.f.

Cascarilla. — Spot market bare and shipment not quoted.

CASSIA BARK. — Whole on the spot is about 85s, per cwt., in bond and for forward delivery, 74s, 6d., c.i.f. Broken 75s., in bond, and 63s., c.i.f.

CHILLIES. — Mombasa, spot 290s, per cwt., 285s., c.i.f. Sierra Leone, no offers. COLOCYNTH PULP. — Spot offers are 4s. 6d. per lb., duty paid.

DIGITALIS LEAF.—Purpurea is offered at 3s. 2d. per lb.. c.i.f.

GALANGAL. — No. 1 root is quoted at 57s. 6d. per cwt.. c.i.f.

GENTIAN. - 180s. per cwt. being asked for supplies now landing.

GUM ACACIA. — Kordofan cleaned sorts on the spot are 142s. 6d. per cwt.; affoat. 132s. 6d., c.i.f., and shipment, 129s., c.i.f.

HONEY. — Australian light-amber is 145s, and medium-amber, 140s.; Argentine, 145s.; Jamaican, 145s, to 150s., all per cwt., on the spot.

Hydrastis.-Root is 22s. per lb. on the

IPECACUANHA. — (Per lb.). Colombian. 43s. 6d., spot. and 41s., c.i.f. Matto Grosso, 43s. 6d., spot. and 42s., c.i.f. Nicaraguan, spot. unobtainable: shipment from 56s. 6d. to 57s. 6d., c.i.f.

KARAYA.—No. 1 gum on the spot is now quoted at 285s. per cwt., and No. 2 at

LANOLIN. — In 1-ton lots the price of ANHYDROUS, B.P., is from 160s, to 165s, per cwt.; 5-cwt, lots from 162s, to 167s, per cwt. HYDROUS, B.P., is from 140s, to 142s, for similar quantities. All in drums, carriage paid, U.K.

LIQUORICE. — Natural root: Quotations for Anatolian and Russian have been withdrawn; Persian, 37s, 6d. Chinese, 42s, 6d. per cwt. Block juice is 200s, per cwt. for the Anatolian and 185s, for Chinese and British on the spot. Italian stick from 310s, to 476s, per cwt., duty paid. LIQUORICE. — Natural

LOBELIA HERB, — Spot material is 11s. to 11s, 6d, per lb. August-September shipment, 10s, 6d., landed.

MACE. — Whole on the spot is 23s. per

MENTHOL. — Chinese, firmer, 51s. 6d. per lb., duty paid. August-September shipment, 45s., c.i.f. Brazilian, spot, very short, 44s. 6d., duty paid; shipment prices

MERCURY.—Per flask (76-lb.) £84 10s. on the spot.

Myrrh. - Selected sorts are unobtainable on the spot.

Orange PEEL. — West Indian bitter quarters are 11d. to 1s. per lb.; Spanish, 1s. 1d. to 1s. 3d.

PAPAIN. — Spot nominal value for East African grade one is 24s, per lb, and Ceylon brown is difficult to find on the spot.

PIMENTO. - Spot is 590s, per cwt. with forward at 540s., f.o.b.

PODOPHYLLUM. — *Emodi* is quoted at 50s. per cwt. ex wharf. Indication for 150s. per cwt. ex wharf. Indicat new-crop *Peltatum*, 475s., landed.

PSYLLUM. — Indian seeds are quoted at 1s. 1d. per lb., on the spot.

QUILLATA. — Spot offers of bark are about 225s. per cwt. with shipment, 185s.,

RAUWOLFIA. — Serpentina is offered from 4s, 3d, to 4s, 9d., landed terms, as to origin. Vomitoria is 2s, 6d., landed.

RHUBARB.—Quotations for Chinese are from 6s, 6d, to 10s, 6d, per lb., as to quality.

SAFFRON. — Mancha superior on the spot is nominally 265s, per lb. Forward position dearer.

position dearer.

SEEDS. — (Per cwt.). Anise.—Tunisian, 212s. 6d. in bond; Spanish, 247s. 6d., duty paid. CARAWAY. — Dutch now quoting 135s., duty paid. CELERY.—Indian on spot is 142s. 6d. CORIANDER.—Market quiet. Spot Moroccan 92s. 6d.; Danubian or Rumanian, 62s. 6d.; splits, 55s. and Bulgarian smalls, 52s. 6d., all duty paid. CUMIN.—Market steady. Spot Cyprian, 127s. 6d.; Moroccan 132s. 6d., duty paid; and Iranian 125s., duty paid. DILL. — Indian unchanged at 65s., spot. FENUGREEK. — Unchanged. Spot, Indian, 67s. 6d.; and Moroccan, 67s. 6d., duty paid. MUSTARD. — English 66s. to 80s., according to quality. according to quality.

Senega. — Spot is 18s. 6d. pe Shippers asking about 18s. 6d., c.i.f.

Shippers asking about 188, 6d., c.l.f.

Senna.—Tinnevelly Leaves (per lb.):—
Prime bold, 1s. 4\frac{1}{2}d.; prime No. 3, 8d.;
f.a.q., No. 3, 7\frac{1}{2}d. all on the spot; PoDs,
f.a.q., new-crop, 7\frac{1}{2}d., c.i.f. Manufacturing, 6\frac{1}{2}d., spot. Alexandrian manufacturing pods, 10d.; hand-picked from
4s. 6d. to 6s., as to quality. Really good
No. 1 pods virtually unobtainable.

Suellac.—FOTN 320s per cwt:

SHELLAC. — F.O.T.N., 320s. per cwt.; F.O. No. 1, 345s.; fine orange, 360s. to

Tonquin BEANS. — Para frosted are 6s 6d. per lb. on the spot.

Tragacanth.—No. 1 ribbon is £175 to £180 per cwt.; No. 2, £135 to £140.

Vanillin.—Rates (per lb.) are now:-5-cwt. lots, 27s. 6d.; 1-cwt., 27s. 9d. 56-lb., 28s.; smaller quantities, 28s. 3d.

Naxes.—Bees'—Dar-es-Salaam, August-September shipment, 620s., c.i.f., spot, 625s.; Sudanese, 570s., duty paid, and 505s., c.i.f.; Abyssinian, spot 570s., duty paid, shipment, 515s., c.i.f. CANDELILLA.—Shipment, 550s. per cwt. landed; spot is 550s. Carnauba.—Fatty grey, spot, 585s. per cwt.; for shipment, 580s., c.i.f. Prime yellow, spot, 1,210s.; for August-September shipment, 1,200s, c.i.f. (per cwt.).

WITCH HAZEL LEAVES.—Spot supplies

WITCH HAZEL LEAVES. — Spot supplies are 28. 3d. per lb.; August shipment, 2s. 1d., c.i.f.

Essential and Expressed Oils

CADE. - Spanish is 3s. 9d. per lb, for

CAJUPUT. - Spot supplies are from 13s, 6d. per lb.

CAMPHOR, WHITE. — Chinese is 2s. 1d. per lb., duty paid.

Cananga.—Spot is from 54s. to 58s. per lb.

RDAMOM. — Price per lb. is from for English-distilled and from 265s. CARDAMOM. 360s to 270s, for imported.

CASSIA. — Original drums are about 14s, per lb. on the spot. Shipment, 13s, 3d., c.i.f.

CEDARWOOD. — 1-cwt. lots of American are 6s. 6d. per lb., and Kenya, 5s. 9d.

CELERY SEED. - Oil is 95s. per lb. for

CHAMOMILE. — English of from 240s, to 256s, per lb. - English oil is offered at

CHENOPODIUM. — Spot supplies are 31s. per lb.

CLOVE.—Madagascar leaf is 9s. 3d. per lb., duty paid and 8s., c.i.f., for shipment. Rectified 87–88 per cent., 12s.; distilled bud oil, English, from 35s.; imported, 17s. 6d.

CORIANDER. -- Russian-seed oil is quoted from 77s. 6d. per lb.

CUBEB. — Spot price is from 57s. 6d.

CUMIN. — Quotations for English-distilled oil are about 102s, per lb, and imported 57s, 6d,

EUCALYPTUS.—Australian 70 to 75 per cent. eucalyptol on the spot is 5s, 8d, per lb.; 80 to 85 per cent., 6s, 4d, Spanish 1b.; 80 to 85 per cent., 6s. 4d, Spanish 70 to 75 per cent. at 5s. 3d., duty paid. Chinese type, 4s. 9d., duty paid.

LAVANDIN.—Spot is from 12s, to 15s. per lb. as to quality, for original drums. LAVENDER.—38-40 per cent. linalol on the spot is available at 30s, per lb.

LAVENDER SPIKE,—Spanish is offered at

13s, 6d, per lb. on the spot. LEMON.—Prices of B.P. oil (4 per cent. citral) vary greatly on the spot according to quality and range between 25s. and 40s. per lb. Californian, 28s. 6d, to 36s, 4d., c.i.f., as to quality, subject to licence.

Orange.—Spot quotations of sweet oil include Floridan at 3s, 11d, per lb.; Californian, 5s, 6d.; West Indian, 7s, 6d.; South African, 7s, 6d. For shipment, proprietary brand Californian sweet is 6s, 1\frac{1}{2}d., c.i.f., and cold-pressed, U.S.P., 9s, 4d., c.i.f. Terpeneless is 200s, per lb., spot, and bitter, 20s, per lb.

PENNYROYAL. — Spot is quoted at 23s, 6d. per lb., duty paid.

PEPPERMINT.—Arvensis: Chinese is 31s. per lb. on the spot and 29s., c.i.f. Brazilian, 23s. 9d., spot, and 21s. 9d., c.i.f. Formosan, 14s., c.i.f. Italian "Mitcham"-type oil is 56s, to 60s. spot, as to make. American, 35s. to 39s.

Pimento. — English-distilled berry 175s. per lb.; imported, 72s. 6d. Rect fied leaf, 27s. 6d. per lb. for small lots.

PINE.—Pumilionis on the spot is from 16s, per lb.; sylvestris, 9s. Siberian (abietis), 12s. 6d.

UNITED STATES REPORT

NEW YORK, AUGUST 14: Higher per lb. among CRUDE DRUGS were TRAGA-CANTH No. 1 at \$4 (up 50 cents); ANGE-CANTH NO. 1 at 34 (up 30 cents), ARSI-LICA ROOT at 50 cents (up 12 cents); MYRRH at 35 cents (up 5 cents); and SENNA LEAVES No. 1 at 20 cents (up 5 cents). JALAP ROOT at 70 cents was 5 cents lower per lb. Imported BOTANI-CALS were firm on the whole. CHAMO-MILE FLOWERS were reported on the

strong side, ESSENTIAL OILS were generally unchanged in price, but PIMENTO LEAF OIL was reported very strong owing to light supplies. PHARMACEUTICAL and FINE CHEMICALS were generally quiet with demand seasonally slow and prices showing little change. Demand for CITRIC ACID continued at a brisk rate. while the tartrates were all reported in a good market position. Only routine interest was noted in CAMPHOR.

HERB CROPS, 1956

THE following crop report has been received:

Stafford Allen & Sons, Ltd., Long Melford.

The very cold and dry weather during the early part of the year was not helpful to the herb crops in general and they got off to a poor start, followed by what has so far been a rather disappointing summer with too much rain recently. It is probable that the yields from the oil-bearing herbs will be on the low side.

BELLADONNA HERB.—We have made a very good first cut, and expect to obtain a further good crop later on. Generally it has made very good growth.

CHAMOMILE.—From the small num-

ber of plants we were able to save after last year's early bad weather, we have planted a fair acreage, and the beds are looking very well.

CLARY SAGE.—We have a good acreage planted out for next year's production.

DIGITALIS.—This is looking very well indeed, and we expect to have a bumper crop.

DILL.—This has made good growth, and we hope that with some sunny weather we shall have a good harvest of seed for distilling.

ELDER FLOWERS.-We were able to make a good collection as the flowers

were plentiful this year.

HYOSCYAMUS.—We have a well-established acreage of first year herb, and have made the first cut, which has produced the finest crop for some years. It is coming away well again, and we anticipate being able to make a second cut later in the season.

LAVENDER.—The young plantations started this spring have made good growth, and we expect to obtain a firstclass quality oil from the young flowers,

although the yield may be small.

PARSLEY.—This is looking very well, but needs warm and sunny weather to bring it on.

PEPPERMINT.—The first and second year beds look very good indeed, but the third year peppermint has not stood up to the bad weather so well. However, we anticipate a good crop with an average yield of oil.

POPPY PETALS.—The weather seems to have suited these uninvited plants. They were more plentiful this year and consequently we were able to make a good collection.

WILD LETTUCE.—We have still not been successful in re-establishing this crop as for two seasons the weather has not been good enough to bring the

Plants to maturity and seed.

VIOLA PETALS.—This crop has again been discontinued for the present as we have adequate stock of petals for the now limited demand.

WORLD TRADE

French Alcohol Exports. - French alcohol exports are to be suspended for the time being with the exception of present contracts with the United States and the Soviet Union.

Uruguavan Import Authorisation. Uruguay has announced authorisation for the import of \$1,400,000 dollars worth of pharmaceutical products. Of this, the United Kingdom, Germany and Holland will supply products to the value of \$500,000.

Austrian Imports Liberalisation. — Austria has now liberalised 90 per cent. of her imports as agreed with the Organisation for European Economic Co-operation by freeing a further twenty items from August 1. The additional items include sun glasses and hearing aids.

Ammonia Production Scheme. -Rs. 20,560,000 scheme to double its present daily output of forty tons of ammonia has been drawn up by Travancore, Ltd., Travancore, Madras, India. The scheme, which is expected to be completed within two years, envisages the stepping up of ammonia sulphate production from 150 to 225 tons a day, and the start of production of ammonium phosphate at the rate of fifty tons a day.

Higher Swiss Chemical Exports. -Switzerland shipped during June chemical products valued at (all figures in million Swiss francs) 83.7 against 79.4 in May and 82.9 in June 1955. Exports of pharmaceutical products were practically the same at 35.6 (35.6 in May and 35.4 in June 1955), but dyestuff exports forged ahead and amounted to 25.0 against 21.2 and 22.1 respectively. Exports of industrial chemicals fell slightly to 14.0 from 14.8 and 15.8, respectively. and 15.8, respectively. Perfumery exports rose slightly to 3.7 (3.6 and 3.4).

Indian Streptomycin Plant. - The penicillin factory at Pimpri is to begin manufacturing 15,000 to 20,000 kilos of streptomycin annually, the Indian Production Minister (Mr. K. C. Reddy) has announced. He said that a number of leading firms had been asked to state on what terms they would be prepared to participate in the project, which is estimated to cost Rs.111 millions. A committee was at present investigating plans for the additional manufacture of antibiotics, the Minister said. A party of Russian experts, who had visited the country recently, had also submitted a scheme.

West German Chemical Exports. — West German exports of chemical products amounted to about D.M. ducts amounted to about 866,400,000 in the first quarter of 1956. Sales to European buyers, accounted for 61.8 per cent, of total chemical exports. They were slightly higher than in the first quarter of 1955 but exports to South America fell from 8.1 per cent. to 6.3 per cent, chiefly because of lower sales to Brazil and Uruguay. Exports to Asia, which amounted to D.M. 135 millions in the period under review, showed only little change from the corresponding period last year. The 1 per cent. decline was mainly due to smaller sales to Hong Kong. Exports to Africa amounted to D.M. 38 millions during the period or 4.4 per cent. of total

chemical exports (against 4.8 per cent.). Sales to North and Central America increased to D.M. 86.9 millions, about D.M. 11.5 millions more than in the first quarter of 1955. The increase was chiefly the result of higher deliveries to the United States.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," August 1

For chemical substances used in bi-metal processes of lithography (1)
ANOLITH, 743,559, by Pictograph, Ltd., New

Barnet, Herts,

For preparations for retarding or regulating the growth of plants (1)

RIDHOLM, 745,860, by Fisons Pest Control, Ltd., Bourn, Cambs.

For cold setting synthetic resins in liquid form

CONVERTO-LAC, 749,791, by Plastic Polishes, Ltd., London, W.C.2.

For photographic sensitised films (1)

Devices, 752,288-91, by Hford, Ltd., Hford, Essex.

For synthetic resitts and compositions for indutrial use (1)
JENSEAL, 751-584, by Jenson & Nicholson

Group, Ltd., London, S.W.1.

For chemical preparations and substances for use in the manufacture and preservation of foodstuffs

NIMBLE, 752,545, by W. J. Brookes & Sons, Ltd., Old Trafford, Manchester.

For synthetic resin in the form of liquids and emulsions (1)

TYLECRETE, 754,038, by P. & A. New, Ltd., Ditchford Lane, Northants.

For chemical products used in industry (1)

NAVAC, 754,159, by Foundry Services, Ltd., Birmingham, 7. For cleaning and polishing preparations for floor

surfaces (3)

ARMSTRONG'S, B723,279, by Armstrong Cork Co., Ltd., London, N.W.9.

For floor polishes (3)

RENOSEAL, 752,447, by H. Russell (Soaps and Disinfectants), Ltd., Liverpool.

For eyelash cosmetics (3)

CILNET, 750,245, by Consort'um Méditérranéen de Parfumerie, Monaco.

For preparations and substances for laundry use: and cleaning, polishing, scouring and abrasive

preparations (3)
TENSILON, 752,449, by H. Russell (Soaps & Disinfectants), Ltd., Liverpool.

For non-medicated toilet preparations, cosmetics. perfumes, preparations for the hair, and essential oils (3)

RAYTONE, B752,654, by Raytone Products, Kenton, Middlesex.

For all goods but not including hair setting lotions or any goods of the same description (3) BLESS, 752,678, by A. & F. Pears, Ltd., Isleworth, Middlesex,

For detergents (not for use in industrial or manufacturing processes) (3)

KYRO, 753,894, by Thomas Hedley & Co., Ltd., Newcastle-on-Tyne.

For preparations for killing weeds (5)
WEEDOX, 742,355, by Fisons Pest Control,
Ltd., Bourn, Cambs.

For pharmaceutical preparations and substances (5) VELTROSE, 752,937, by Boots Pure Drug Co., VELTROSE, 752,937, by Boots Pure Drug Co., Ltd., Nottingham. DEXOPHEN, 754,062, LUMEDEX, 754,066, by Victoria Laborator es, Ltd., London, W.C.2. STREPTOSPORIN, 751,330, by the Wellcome Foundation, Ltd., London, N.W.1, GLUMORIN, PRESUPRAN, 754,206-07, by Farbenfabriken Bayer, A.G., Leverkusen, Germany.

For pliarmaceutical and veterinary preparations consisting of surgical spirit containing organic

derivatives of silicon (5) SURGASIL, 751,670, by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.1.

VERSENATE, 748,291, by Dow Chemical Co., Midland, Michigan, U.S.A. DIFANIN, 750,069, DELTA-CORLIN and DELTA-EFCORLIN, 753,942-43, by Glaxo Laboratories, Ltd., Greenford, Middlesex, TEMPEROL, 753,238, by Bayer Products, Ltd., Kingston-on-Thames, Surrey. ANTHIPHEN, 753,905, by May & Baker, Ltd., Dagenham, Essex, NILUSIN, 754,236, by the Wellcome Foundation, Ltd., London, N.W.I. DOLITRONE, 754,300, by Vick International, Ltd., London, W.1.

For pharmaceutical preparations and substances for human and veterinary use (5)

BILOGEN, 748,298, by Organon Laboratories, Ltd., London, W.C.2.

For antibiotics (5)

REMYCIN, 751,713, by Eli Lilly & Co., Indianapolis, U.S.A.

For medicated corn plasters (5)

CORNINA, 751,832, by P. Beiersdorf & Co., A.G., Hamburg, Germany.

For pharmaceutical preparations and substances for human and veterinary use, sanitary prepara-tions, inedical and surgical plasters, and band-

HEXAMON, 751,833, TEMAGIN, 751,854, by P. Beiersdorf & Co., A.G., Hamburg, Ger-

For pharmaceutical preparations for use in the treatment of influenza (5)

BIOFLUE, 752,019, by Biorex Laboratories, Ltd., London, E.C.1,

For pharmaceutical preparations for use in the treatment of the skin (5)
DERMAMED, B752,571, by Medo-Chemicals,

Ltd., London, N.1.

For pharmaceutical preparations containing digoxin for human use (5)

LANOXIN, 752,835, the Wellcome Foundation, Ltd., London, N.W.1.

For pliarmaceutical preparations and substances

all containing amines (5)
BARBETAMINE, 753,321, by Victoria Laboratories, Ltd., London, W.C.2.

For surgical ligatures made wholly or principally

PROSYLK, 753,458, by Savory & Moore, Ltd., London, W.1

For surgical ligatures (5)

CULTHRED, 753,460, by Savory & Moore, Ltd., London, W.1.

For insecticides (5)
BRANOPEST, 753,596, by Brandram Brothers
& Co., Ltd., London, S.E.16.

For veterinary medicines and preparations (5)
ALOQUONE, 753,674, by C. J. Hewlett &
Son, Ltd., Watford, Herts, MASTRICIN,
753,962, by Thomas Pettifer & Co., Ltd.,
Rugby, PREG-Y-TOX, 753,919, by Thomas Pettifer & Co., Ltd., Rugby.

For electric shaving instruments; and razors (8) RABALDO, 731,060, by John A. Fransen, Ltd., Northwood, Middlesex.

For rubber gloves for surgical purposes (10) LONDON SUREGRIP, by London Rubber Co., Ltd., London, E.C.2.

For surgical sutures made wholly or principally of silk (10)

PROSYLK, 753,459, by Savory & Moore, Ltd., London, W.1.

For surgical sutures (10)

CULTHRED, 753,461, by Savory & Moore, Ltd., London, W.1.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Sunday, August 19

CRICKET SECTION, BIRMINGHAM PHARMACEUTICAL Association, cricket ground at rear of Saracen's Head hotel, Stratford Road, Shirley, at 2,30 p.m. Match against R. W. Peberdy's eleven (Leicester).

Wednesday, August 22

LIVERPOOL CHEMISTS' GOLFING SOCIETY, Hayton. Fixture.

PRINT AND PUBLICITY

Advertising Campaigns

COTY (ENGLAND), LTD., 3 Stratford Place, London, W.1: Coty 24 lipstick, In Daily Mirror, Daily Express, Daily Mail, Evening Standard, twelve provincial newspapers, and six women's magazines.

W. HAMPSHIRE & Co., LTD., Sunnydale, Derby: Loxene medicated shampoo. In national

Press, and women's magazines.
PHILIPS ELECTRICAL, LTD., Century House,
Shafte bury Avenuc, London, W.C.2: Philishave electric shaver. In national, provincial and Sunday Press, national magazines,



SELLING A SUN-TAN CREAM: Showcard produced by Ayrton, Saunders & Co., Ltd., Liverpool, for their Bikini suntan creani,

COMMERCIAL TELEVISION

PROGRAMME details are given to enable chemist: to put in linking-up displays if they wish, Notice given is as far in advance of the programme date as can be guaranteed by the broadcasting companies.

LONDON STATION

WEDNESDAY, August 29: Gibbs' S.R. tooth-paste



DISPLAY "DISPENSER": Wire display "dispenser" unit for counter or window available to stockists of Silvikrin hair cream. The unit holds five jars, one being inserted into the cut-out section of the card (County Laboratories, Ltd., Honeypot Lane, Stanmore, Middlesex),





fectant is being sent out by the manufacturers, British Products Sanmet Co., Ltd., Dalmarnock Road, Rutherglen, nr. Glasgow. The one on the right contains twelve bottles and the one on the left twelve flexible polythene spray containers.

left) ANALGESIC "DISPENSER": Beecham Pharmaceuticals, Ltd.,

St. Helens, Lancs, have recently produced the new dispenser for Phensic illustrated alongside. The "dispenser" holds twenty-four 1s, 9d, packs, which may be removed one by one from the base. Attractively finished in red and green, it is designed as a wall fitting, and occupies a minimum space, measuring only 12½ in, high x 4½ in, wide. The fitting may be obtained on

(between 10 and 10.30 p.m.); Zal (between 10 and 10.35 p.m.).

FRIDAY, August 31: Zal (between 10 and 10.35 p.m.); Anadin; Knight's Castile soap. SATURDAY, September 1: Silvikrin; Anadin,

BIRMINGHAM STATION

SUNDAY, August 26; Knight's Castile soap (be-

tween 10 and 10,30 p.m.).
WFDNESDAY, August 29: Astral cream (between 8 and 10,30 p.m.); Zal (between 10 and 10,35

THURSDAY, August 30: Astral cream (between 8

and 10.30 p.m.); Gibbs' S.R. tooth-paste (between 8 and 10 p.m.).

FRIDAY, August 31: Zal (between 10 and 10.35 p.m.); Knight's Castile soap (between 8 and

10 p.m.).
SATURDAY, September 1: Currons' cold cream soap (at 10.45 p.m.); Silvikrin.

MANCHESTER STATION

SUNDAY, August 26: Zoflora; Knight's Ca tile soap (between 7.30 and 8 p.m.), WEDNESDAY, August 29: Astral cream (between 8 and 10.30 p.m.); Knight's Castile soap.

THURSDAY, August 30: Zoflora; Astral cream (between 8 and 10,30 p.m.).

(between 8 and 10,30 p.m.).

FRIDAY, August 31: Knight's Castile soap (between 7,55 and 9 p.m.).

SATURDAY, September 1: Cussons' cold cream soap (at 10,45 p.m.); Fennings' cooling powders, mother's book, rheumatic tablets (between 2.45 and 3.30 p.m., and 10.45 and 11 p.m.). Daily, August 27–31: Silvikrin.

Display Material

REMINGTON RAND, LTD., 26 Kensington High Street, London, W.8; Four-most shaver, Show-card 10 x 14 in.; display stand 11 x 8 in.; counter leaflets and price tab.

C. & D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; *=Tax 30 per cent.; †=Tax 90 per cent. GENATOSAN, LTD. (from August 23)

		Doz.	1.1	K.P	
ienísol*		23 0) 3	3	R
EDERLE	LARORATO	RIES	DIVE	SIO	N
YANAMID F					
	RODUCTS,	LID.	(trom 2	\ug	us
‡)					
filtown tablets	50		22	- 6	R
HARMACEUT	CICAL SPEC	CIALITI	ES (MA	٩Y	8
AKER), LTD	to trade	from A	1101161	13	to
iblic from Sep		riom 1	ugu i	٠.,	
halazole tablets					-
0.0	5 gm. 25		3	3	R
	100		12	0	R
	500		57	6	R
powder	100 gm.		23	6	R
	500 gm.		114		R
ilphatriad tabl			***		- 11
			,	-	n
0/:	5 gm, 25		3		R
	100		12		R
	500		57	6	R
suspension	4 fl. oz.		5	6	R
-	40 fl. oz.		47	6	R
DHN WYETH	P. DDO I	7 D (600)			16
MIN WIELL	a bito., L			181	10)
		Each			
quanil tablets	20	6 0		0	R
	250	63 0	84	n-	R

P.A.T.A. LIST

(Alterations notified this week by the Proprietary Articles Trade Association.)

DENTESIVE, LTD, (Agents: DON, S. MOMAND, LTD.) (from August 13)

Dentesive denture fixative Doz. cream 10 0 1 3 4 4 16 0 2 0 4

NEW PRODUCTS AND PACKS

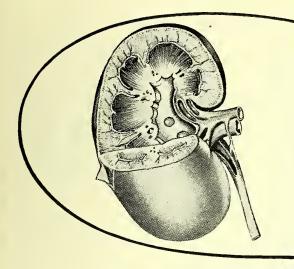
	1 02.		51	
	₹ oz.		80	
	1 oz.		124	
	2 oz.		215	
	atomiser		63	
Hydromycin oin: eve/car ointm	tment 5 gm 15 gm.	Each 6 2 15 7 8 4		

Switch-stick? HALEX DIVISION, BRITISH XYLONITE CO., 10 6 Military style hairbrush PARKE, DAVIS & CO., LTD. Chloromycetin hydrocortisone

hloromycetin nyo, ophthalmic drops 5-c.c. vial

	Ollientelle	· · · ·			
PIFCO, L' Pifco elect	r D. ric Razorlit	e*		23	9
GEDEON Resamphin		(GT, 25 100	BRITAIN),	LTI 3	D.

	100	11	3	
	250	25	0	
RODUCT	S. LID.			
ver Stow-	-away			
		100	100 250 25 PRODUCTS, L1D.	100 250 PRODUCTS, LTD.



SEARLE

research laboratories

NOW INTRODUCE

"Mictine," the new non-mercurial oral diuretic, is distinctive in showing no contra-indications. Its mode of action is believed to be by inhibiting resorption of sodium ions by the renal tubules, and neither succinic dehydrogenase nor carbonic anhydrase is involved. "Mictine" is useful in maintaining an oedema-free state in any patient requiring diuretic therapy, and in the initial diuresis of all patients but those with severe congestive failure.

SEARLE

Mictine

TABLETS

The new oral diuretic for treatment and maintenance of oedematous patients

SEARLE

Note New Address:

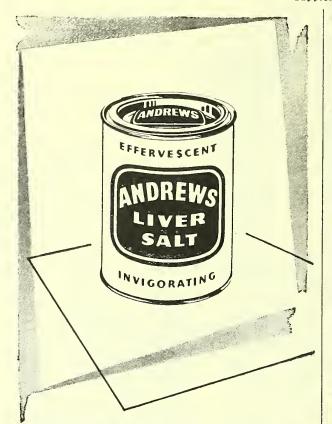
G. D. SEARLE & CO. LTD.

83, Crawford Street London, W.1

Telephone: Paddington 4034

Clinical trials with "Mictine" indicate that it is best administered on an interrupted dosage schedule. It may either be given on alternate days, or for three consecutive days followed by complete omission on the following four days. For either scheme the dosage is one to four tablets in divided doses with meals. Such side-effects as are occasionally experienced are usually relieved by the interrupted dosage schedules. "Mictine "is available in bottles of 25 and 100 tablets each containing 200 mg. aminometradine.", Obtainable from your wholesaler Literature on request

* REGISTERED TRADE MARK



PORTRAIT OF A **BEST-SELLER**

Andrews has the largest sale of any effervescing saline in the world. This is because:—

- The public have confidence in it.
- It has never been sold by exaggerated claims.
- Its packing and keeping qualities are guaranteed.
- It is advertised by a powerful national campaign.

Andrews

for INNER CLEANLINESS



"ZORBO"

Superfine Cotton Wool

This is a very old Trade Mark of ours and a product for many years in use by the Medical Profession and all those requiring a First Class Superfine Cotton Wool. Now packed in attractive white Cartons in various sizes and would be readily acceptable to your more exacting customers.

> Of course this is just one of our Manufactures. We also supply in Cartons all BPC Dressings in Cotton Wool, Lint and Gauze.

Our products are obtainable from Wholesalers, but should you have difficulty a line to us will have prompt attention.

ROBERT BAILEY & SON, LTD

SURGICAL DRESSINGS MANUFACTURERS

DYSART STREET. GREAT MOOR, STOCKPOR

Phone: STEPPING HILL 3006/7 Gram: "UNDISPUTED" STOCKPOR



- Issues a receipt for every customer
- Counts the number of sales
- Gives a complete record of the day's takings
- Metal construction. Fully guaranteed

The outstanding feature of the Petco till is the duplicate receipt issued for every transaction; this ensures that the exact money taken must go into the drawer. In addition, a device which operates each time the drawer is opened records the total number of sales and indicates if there has been unauthorised access to the till. All you have to do is to record the amount of the sale and press the release bar. Immediately and automatically the cash drawer springs open . . . the warning bell rings . . . the sales record moves up under the window . . . a receipt is issued for the customer and the counting device records the further sale.

The till that makes mistakes obvious

STANDARD MODEL 16 gns.

WIDE APERTURE MODEL

£ 18-10-0

SEND FOR ILLUSTRATED BROCHURE to the MANUFACTURERS

A.G.S. & PETRONIC LTD.

BEL WORKS ESTATE, HAMPTON ROAD WEST, HANWORTH, FELTHAM, MIDDX. Tel.: Feltham 4054



Regd. Trade Mark B.P.C. STANDARD

The original British made preservative with its wide use for pharmaceutical and cosmetic preparations.

Our Service Dept. will gladly co-operate with you on all technical problems,

NIPA LABORATORIES LIMITED TREFOREST INDUSTRIAL ESTATE Nr. CARDIFF TELEPHONE: TREFOREST 2128/9

Sole Distributors for the United Kingdom

P. SAMUELSON & CO.

ROMAN WALL HOUSE.

I CRUTCHED FRIARS, LONDON, E.C.3

Telephone: ROYAL 2117/8

GOOD NEWS for DIABETICS!

and a good new selling line for Pharmacists we introduce our sugar free pastille

Diafrutes'

a refreshing, fruity pastille for diabetics and all who require a sugar free diet.

packed in 4 lbs. to retail at 2/- per packet. Also supplied in bulk.

Pastilles: Gees Linctus, Glycerine and Blackcurrant, Catarrh.

L. L. & C. Lozenges.





& LONDON



for fine chemicals especially:

ASPIRIN B.P. "FRE-FLO" SALICYLIC ACID B.P. & TECH. SODIUM SALICYLATE B.P.

SALOL B.P.C.

VANILLIN 100%

H. W. GRAESSER-THOMAS LIMITED 49 LEADENHALL STREET,

LONDON E.C.3 TELEPHONES: ROYAL 3011-6111



WIN the loyal **Cuticura** public to YOUR Pharmacy

Cuticura Medicinal and Toilet Preparations have a public, old established and ever expanding, which is remarkable for its loyalty to these Firm Family Favourites . . .

Cuticura Soap . . Cuticura Ointment . . Cuticura Talcum Powder . . Cuticura Shaving Stick . . now joined by Cuticura Hand Cream and Cuticura Medicated Liquid.

Cuticura advertising appeals forcefully to the new generation of teenagers and young mothers, building up each year ever more satisfied customers to swell the numbers of those who insist that nothing will do but Cuticura Quality.

WIN THESE CUSTOMERS

Just one pack of each of the Cuticura Preparations in your attractive window will catch the eye of every Cuticura Customer. They know that the pharmacy that sells their Cuticura, stocks only the best.

> STOCK AND DISPLAY

Cuticura

SOAP OINTMENT HAND CREAM SHAVING STICK TALCUM POWDER MEDICATED LIQUID

For warmth at night

OFFER YOUR CUSTOMERS THIS WIDE RANGE OF HIGH QUALITY COVERED HOT WATER BOTTLES

MANDELLE 'Ouilted'

Covered in Quilted Satin Pastel Colours: Beige, Pink, Blue, Gold, Green, or Lavender. Each wrapped in Cellophane envelope. 36 per carton, 6 of each colour.

MANDELLE

'Velux'

Covered in Embroidered Quilted Velveteen. Colours: Crimson, Gold, Green, or Blue. Each packed in Gold presentation Box. Fully guaranteed. 24 per carton, 6 of each colour.



MANDELLE

'Velour'

Covered in Rich Velour. Colours: Blue, Beige, Lavender, Coral, Green, Gold, Each wrapped in Cellophane envelope. Fully guaranteed 36 per carton, 6 of each colour.

MANDELLE

'Velveteen'

Covered in Printed Velveteen. Base colours: Gold, Green, Blue, Crimson. Each wrapped in Cellophane envelope. 36 per carton, 9 of each colour.

Pleose order through your wholesole house



COVERED HOT WATER BOTTLES

Monufoctured by

J. MANDLEBERG & CO. (RUBBER) LTD.

Solford 6, Loncs. Pendleton: 1441



Order NOW for prompt delivery—through your usual wholesaler.

WHITE LILAC

SOLUBLE SANTOWELS by Southalls

RETAIL PRICES Standard (doz.) 1/11d. Size 1 (doz.) 2/2d. Size 2 (doz.) 2/5d. Standard (½ doz.) 1/Southalls (Birmingham) Ltd., Charford Mills, Birmingham, 8





Burson Stockings, made exclusively on special knitting looms, are the product of ten years' intensive research into the making of surgical stockings.

Always dispense and recommend Burson 2-Way Stretch Hosiery and ensure your customers' complete satisfaction. The quality—finish—colour and durability of Burson Hose make them the first choice of those who appreciate the best. Burson Stockings are fully fashioned and virtually indiscernible in use.

Burson Stockings are advertised in the Medical Journals and in a strong list of National Weekly Newspapers and Women's Magazines.

DISPENSE BURSON whenever 2-way stretch elastic or Lastex hosiery is prescribed

AVAILABLE FREE ON REQUEST WITH BURSON STOCKINGS :-

- Instruction Chart with details for measuring, fitting and exact adjustment to fit and tension.
- Individual Measurement and Order Forms.
- Instructions for mending and washing.
- Illustrated leaflets for your customers.

TWO-WAY STRETCH HOSIERY IS MADE FROM LASTEX YARN

Sole Distributors: - FASSETT & IOHNSON LTD., 86, CLERKENWELL ROAD, LONDON, E.C.I





When making a Phillips' display it will pay you to include all three products. Your regular customers for 'Milk of Magnesia' will be grateful for the reminder that 'Milk of Magnesia' Tablets are a convenient pocket aid for the effective relief of acid indigestion.

And all who know and trust 'Milk of Magnesia' will appreciate the unique value of Phillips' Toothpaste in combating mouth acid, the main cause of tooth decay.



Display & Recommend all three members of the

PHILLIPS'
Family

THE CHAS. H. PHILLIPS
CHEMICAL CO., LTD.,
179 ACTON VALE,
LONDON, W.3.

AGNESIA

ADTRACTO COLUMN





BOX'S

INDIGESTION PILLS

The Old Established

Family Remedy

P.A.T.A. Retail Prices:

1/7, 3/8, 6/-, 13/9, 25/- (incl tax).
W.H.BOX, 47 COBOURG STREET, PLYMOUTH

WRAPPING PAPER & BAGS

A WIDE VARIETY AT THE RIGHT PRICE

SAMPLES WITH PLEASURE

James Townsend

AND SONS LIMITED

SPECIALIST CHEMISTS' PRINTERS

P.O. BOX No. 12

MUSGRAVE HOUSE, WESTERN WAY, EXETER

URE-SELLING STOCK!

KEARSLEY'S

THE ORIGINAL

WIDOW WELCH'S FEMALE PILLS

Over 10d BOX PROFIT by ordering I dozen 4/3 size. Bonus given on every dozen (13) It pays to push this size.

Established 1787 in the Relgn of King George III

C. & G. KEARSLEY LTD.
71 DARTMOUTH ROAD, LONDON, S.E.23

AN ENCYCLOPÆDIA OF POISONS LAW

The Chemist & Druggist POISONS GUIDE

Compiled and
Co-ordinated by
W.A.WHATMOUGH
B.Sc., Ph.C., F.R.J.C

No phermacist can afford to be without these two Volumes. They provide complete information on what the authorised selfer of poisons should do in every situation covered by the Poisons Rules and Dangerous Drugs Regulations.

Order these essential volumes NOW!

VOLUME |
POISONS LIST & KEY
20/- (postage |/-)

VOLUME 2
POISONS PROVISIONS & EXPLANATIONS
40/- (postage 1/6)

Order from your Bookseller or direct from The Publisher: 28 ESSEX STREET, STRAND, LONDON, W.C.2.

TANNIC ACID

AND DERIVATIVES

THE BRITISH DYEWOOD COMPANY LIMITED

19 St. VINCENT PLACE, GLASGOW C.I

WHOLESALE

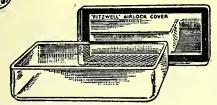
A.SEARLE & C.

SURGICAL INSTRUMENT MANUFACTURERS

AND EXPORT

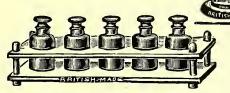


Conical Forceps
Container



Tray with Fitzwell Air Lock Cover

Cheatles Forceps Jar in Glass or Chrome Plated



Medicament Bottle Stand

A. SEARLE & CO.

SERLANCO HOUSE, 245 St. JOHN ST., CLERKENWELL, LONDON, E.C.I

Telephones: Terminus 1617, 1618

Telegrams: "Serlsurg, Smith, London"

Cables: A.B.C. and Bentleys



tubes and vials
to all Standards

The FRANCO-BRITISH GLASS CO. LTD.,

15-17, KING STREET, ST. JAMES'S, LONDON, S.W.1
Telephone: TRAfalgar 4151

BACK, KIDNEY and BLADDER PILLS



"The box with the pink wrapper"

A profitable line packed in two sizes retailing at 1/9 and 2/9

SMALL SIZE

LARGE SIZE

6/9

12/6

PER DOZEN

PER DOZEN

THE ACTON PILL & TABLET CO. LTD.

ASH VALE · SURREY

Phone: FARNBOROUGH (HANTS) 698





PAPAIN CALABAR BEANS

and all other Botanicals, Gums, Waxes, Essential Oils and Spices

JOHN KELLYS (LONDON) LTD. 24 OLD BROAD STREET, E.C.2

Telephone: LONdon Wall 6585 (4 lines)
Telegrams: "Ergotine, Stock, London"

NEW YORK · HAMBURG



THE MANUFACTURING & WHOLESALE CHEMISTS

LEEDS-62 Albion Street, Leeds I

Agent for Northern Scotland— C. T. A. Winram, 121 Crown Street, Aberdeen.

Tel: Leeds 30173

who can be relied on for

REGULAR ROAD DELIVERIES

in the West of England and S. Wales areas

Telephone: Bristol 21381



& CO LTD BRISTOL

Telegrams: 'Ferris, Bristol'

DISEASES AND REMEDIES

10th Edition, 1955

Contains numerous additions made since the 9th edition (published 1953), which was completely rewritten. The book is a concise survey of the most modern methods of medicine. It provides pharmacists with a text-book of information on the treatment of diseases and the drugs used. Accepted methods are explained, and the medicaments mentioned include some of very recent introduction. Price 15s. Postage 9d.

Order from your bookseller or direct from the publisher—

CHEMIST AND DRUGGIST, 28 Essex Street, Strand, London, W.C.2

BURNSIDE'S EUCALYPTUS OILS

Distilled in Australia from Eucalyptus leaves in accordance with the B.P. specification. W. K. Burnside Pty., Ltd., Melbourne, Australia offer:

80/85% Rectified B.P.

Eucalyptol B.P.

70/75% Rectified B.P.

Oil Eucalyptus Dives 40/45% Oil Eucalyptus Dives 90/95% For the production of Thymol and Menthol

Oil Eucalyptus Phellandra—Phellandrene For use in Antiseptics and Disinfectants

Agents for U.K.: WILSON & MANSFIELD, LTD., 15 Philpot Lane, LONDON, E.C.3

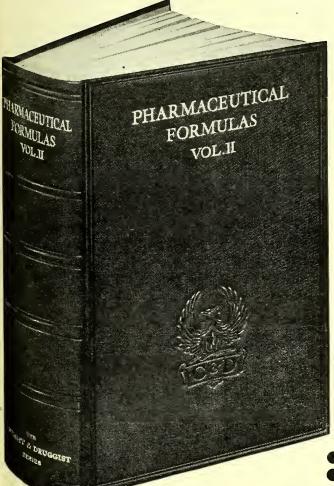
Phone: MANSION HOUSE 9264-5-6

(WHOLESALE ONLY)

Grams: WYFIELD, LONDON



PHARMACEUTICAL FORMULAS



VOL. II

900 pages of FORMULAS

ADHESIVES, BEVERAGES
CLEANING MATERIALS
CONFECTIONERY
COSMETICS, CULINARY &
HOUSEHOLD REQUISITES
DENTAL PREPARATIONS
HORTICULTURAL PRODUCTS
LACQUERS & VARNISHES
PASTILLES & LOZENGES
PERFUMERY, PESTICIDES
PHOTOGRAPHIC REQUISITES
POLISHES, HAIR PRODUCTS
TOILET PREPARATIONS
VETERINARY PRODUCTS
WRITING MATERIALS, Etc.

Thoroughly revised by a team of specialists

Unrivalled of its kind.

PRICE 42/- postego 1/6d.

Combined price for VOL. I & VOL. II when sold together 75/-

Order from your Bookseller or direct from The Publisher



28 ESSEX STREET, STRAND, LONDON, W.C.2

PHARMACEUTICAL FORMULAS VOL. I

is a standard reference book presenting a comprehensive summary of vital pharmaceutical interest, compiled from world-wide sources.

PRICE 37/6 Postage 1/6d.

Boon Companions

PIFCO Electric SHAVER

Competitively priced to capture new sales in the expanding Shaver market, its high quality will give certain satisfaction to your customers, Fully guaranteed and backed by a penetrating national advertising campaign, you can display it with pride and sell it with confidence. Complete in ivory plastic case and individually boxed in

attractive display carton. Requires no suppression against interference with radio or T.V.

Retails at 81/6

inc. tax.
Retailers: Order
NOW fram your
usual factar.
Wholesalers: Write
far details af the
camplete PIFCO
range.

PIFCO LTD., Watling St., Manchester, 4 and 36-37 Upper Thames St., London, E.C.4

PIFCO

PIFCO Electric RAZORLITE

Shaver users will welcome this unique aid for electric shaving, Illuminated magnifying mirror. Ivory plastic frame, 5 amp, 2-pin socket for any electric shaver. Complete with 6 ft, ivory flex and adaptor, in display carton.



Electric Shaver & Razorlite

THE MINISTRY SAYS:

It MUST be made to measure

So have your N.H.S. prescriptions made up by Lastonet who only make stockings to personal measurements, and know more about getting a good close fit than anyone else. You need carry no stock to supply Lastonet stockings. This profitable business is entirely risk-free!



NOW IN NYLON OR COTTON

Measurement forms and dispiay material free from

LASTONET PRODUCTS LTD, CARN BREA, REDRUTH, CORNWALL

The Best costs no more!

when ordering ZINC OXIDE insist on —



AND GET THE

Highest Standard of Purity

WHOLESALERS ONLY SUPPLIED
ENGLISH MANUFACTURE
USED THROUGHOUT THE WORLD

Guaranteed free from lead and arsenic. Its manufacture is supervised throughout by qualified chemists. Each particle size will pass 240 mesh with less than 0.1% residue.

We supply most Wholesalers, but should you have difficulty please contact

HIATTIMER

22 UPPER GROUND. BLACKFRIARS, LONDON SEI

Telephone: WATERLOO 5800

Manufactured by FELLING ZINC OXIDE CO., LTD.



on request P.A.T.A. list

EDME LIMITED

IMPERIAL HOUSE, 84-86 REGENT STREET, LONDON, W.I Phone: Regent 5563-4 Grams: Edme, Piccy, London. Works: Mistley, Essex

Attractive Show Cards and Window display Matter FREE



TWO POPULAR TABLET

For Small Scale Production



SPECIFICATION

Max, diam, of tablet .. 1" Max. depth of fill 3" Output per minute65 Horsepower 1 Bench space .. 1'3" x 2'5"

The Manesty SP1 Tablet machine is a bench model with self contained motor drive and built-in push button starter. Of rigid construction, fully guarded and with a worm drive (in oil bath) it presents the last word in bench tablet machines. Mainshaft and wormshaft on ball bearings.

The Manesty E2 Tablet machine is a precision built single stroke machine for continuous production with totally enclosed worm drive running in oil bath. Upper and lower punches fully guarded Stainless steel hopper. unique feature of this machine is the optional overhead release.

Variable speed drive can be supplied.



PROMPT DELIVERIES

MACHINES LIMITED 5, EVANS ROAD · SPEKE · LIVERPOOL 19

Telephone: HUNTS CROSS 1972 · Telegrams: MANESTY, LIVERPOOL, 19

Send for your copy "Tablet Making" 123 pages, 31 formulæ, 47 illustrations, Cloth bound, 15/- net, post free.

Horsepower

Floor space35" x 24"

MIXERS . GRANULATORS

TABLET MACHINES .

AUTOMATIC WATER STILLS .

PUNCHES AND DIES .

YOUR LUCOZADE DISPLAY

CAN WIN YOU THE

PRIZE OF A LIFETIME [

OVER £3,000 IN PRIZES

no entry forms needed in this

GREAT LUCOZADE DISPLAY CONTEST

Your display ideas can win you a wonderful prize in this great new Lucozade Display Competition. Anyone can enter — and everyone, no matter how big or small their window, has an equal chance of winning. Ask the representative for full details next time he calls — he will explain what you have to do; help you with display material; and answer any queries. Remember, the better your display, the better your chance of winning one of more than a hundred prizes. You stand to gain every way, in added turnover and the windfall of a prize.

LUCOZADE

the sparkling glucose drink

THE LUCOZADE COMPANY . GREAT WEST ROAD . BRENTFORD . MIDDLESEX

ONE OF THESE CAN BE YOURS



A fartnight's holiday for two in the Bohomas, or



£1,000 in cosh, or



Your shop entirely modernised by a well-known architect.



A luxury winter sunshine cruise for two to Madeira.



£100 worth of new clathes for you ar your wife.

-and many other wonderful prizes!

royds T4216

CLASSIFIED ADVERTISEMENTS

Supplement

28 ESSEX STREET, STRAND, LONDON, W.C.2

COMPANY ORRIDGE &

184 STRAND. W.C.2 Tel.: TEMple Bar 9212/3 & 6340

CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF

Irish Representative: Mr. J. A. Bassett, Ph.C., 57 Great Victoria Street, Belfast, Northern Ireland. Tel: Belfast 27078

PREMISES TO LET

17/6 for 36 words (min.) then 4d. per word. Box 2/-

SHOP and beautifully decorated maisonnette above to let, Situated next to G.P.O. and opposite picture palace; chemist badly needed. Box C 3925.

TO LET

on 21 years repairing lease

SHOP PREMISES FOR CHEMIST OR CHEMIST AND OPTICIAN

2 bedroom flat over 18 ft, frontage 42 ft, depth In course of erection at junction of Homestead Road and Birchwood Avenue,

HATFIELD

For details apply:

Chief Estates Officer, Estates and Housing Dept., 47 Fretherne Road, Welwyn Garden City, Tel.: Welwyn Garden 4361 Extension 1. C 3942

BUSINESSES FOR DISPOSAL 17/6 for 36 words (min.) then 4d. per word. Box 2/-

Box 2/
A COSMETIC and chemist sundries shop and premlses, busy position main road, London suburb. Splendid position for pharmacy and chemists. Good turnover all lines. Box C 3936. DRUG STORES, main road position, good living accommodation, well fitted shop, modern premises. Established 1947. Scope for qualified man. Accountants figures. £1,000, s.a.v. Freehold £3,000, or lease £250 excl. E. N. Selby & Co., 61 London Road, Southend-on-Sea. C 3933

Sea C 3933
DRUG STORE FOR SALE including substantial property, living accommodation and
large storage shed and garage, medicated wine
licence, small Derbyshire town, double-fronted
corner shop, nearest opposition quarter mile,
tremendous scope for qualified. Some financial
help offered. Box C 3932.

ESSEX (London 7 miles) old established business in good trading position, D/F shop with
lst floor and basement. Turnover £7/8000.
Audited accounts, FREEHOLD for sale, S.A.V.
Apply Farebrother, Ellis & Co., 29 Fleet Street,
E.C.4. FLE 9344.

APPOINTMENTS

18/- per half inch (min.) and pro rata. Box 2/-

BARNET GENERAL HOSPITAL, WELLHOUSE LANE,

BARNET, HERTS

Pharmacist

Applications invited for the post of pharmacist. The Pharmacy Department is new and well equipped. Salary £500-£725 per annum plus London Weighting. Applications stating age, experience, names two referees, to Hospital Secretary.

ADMIRALTY PHARMACISTS

ADMIRALTY PHARMACISTS

Applications are invited from Pharmaceutical Chemists for posts as Pharmacists in Royal Naval Hospitals and Medical Depots at Home and Abroad. Salary scale £500 x £25—£575 x £30—£725, Starting pay according to previous professional experience. Allowance of £25 a year payable in addition to holders of recognised qualifications higher than the normal pharmaceutical qualification. Foreign Service Allowance payable overseas, Prospects of promotion to higher ranks, Superannuation benefits under National Health Service (Superannuation) Regulations 1950: deduction of 6 per cent, made from salary on that account, (Pharmacists due to be entered for compulsory National Service cannot be accepted as candidates for entry in this civilian grade.) Apply to, or call at: Medical Department, Admiralty, Queen Anne's Mansions, St. James's Park, London, S.W.1.

BERMONDSEY & SOUTHWARK HOSPITAL MANAGEMENT COMMITTEE

Assistant-in-Dispensing required at St. Olave's Hospital, Lower Road, Rotherhithe, S.E.16, Salary in accordance with Whitley Council agreement, £355 per annum at age 22, rising to £465 per annum, plus London Weighting. Additional payment of £20 per annum for recognised qualification. Applications, together with names of two referees, to the Secretary at the above address. C 5509

BRADFORD EDUCATION

BRADFORD EDUCATION COMMITTEE, TECHNICAL COLLEGE, BRADFORD

Applications are invited for the appointment of Lecturer in Pharmacognosy in the Department of Pharmacy. The Lecturer will be expected to undertake work at degree level and to be interested in research.

The salary scale, which is according to the Burnham Technical Award, is at present under review. The existing scale for men is from £965 to £1,065 per annum

Further particulars of the appointment and forms of application may be obtained from the Director of Education, Town Hall, Bradford, and completed forms should be returned to the Principal of the College as soon as possible. A. Spalding, Director of Education.

C 5517

BOARD OF MANAGEMENT FOR PAISLEY & DISTRICT HOSPITALS

Pupils—Post-graduate Student
Applications are invited for the post in the
Central Pharmacy of this mixed group (1,100

Scalary and conditions of service in accordance with Whitley Council scale, viz: £350 per annum.

annun, Applications should be addressed to Group Medical Superintendent, Royal Alexandra In-firmary, Paisley. C 5559

HIGHBURY HOSPITAL, NOTTINGHAM

Pharmacist
required. Whitley Council salary and conditions
of service. Applications in writing to the Group
Secretary, General Hospital, Nottingham.
C 273

CANTERBURY GROUP

CANTERBURY GROUP
HOSPITAL MANAGEMENT
COMMITTEE
Locum Pharmacist
required for Group Pharmacy, Canterbury, for approximately six weeks from September 3, 1956. Salary fifteen guineas a week. Applications to be forwarded immediately to the Group Secretary, Nunnery Fields Hospital, Canterbury.

C 5562

CENTRAL MIDDLESEX

HOSPITAL,
PARK ROYAL, N.W.10
Deputy Chlef Pharmacist (Category V)
Applications are invited for this position, Whiteley Council conditions of service. Salary £675
x £30 (7)—£885 x £40 (1) to £925 plus £25
for higher qualification plus London Weighting

Applications stating age, qualifications and experience, with names of two referees, to Group Secretary, Central Middlesse, Group H.M.C., Park Royal, N.W.10, as soon as possible.

KING EDWARD VII HOSPITAL, WINDSOR

(Category III Hospital)

Pharmacist
required at the above hospital. Apply with details of service and names of three referees C 5520

LAMBETH HOSPITAL,

LAMBETH HUSTIAL,
BROOK DRIVE, S.E.11
Assistant-in-Dispensing
Applications are invited for the post of Assistant-in-Dispensing, Salary (plus London Weighting) in accordance with Whitley Council scale. Applications, stating age, experience, qualifications and names of two referees to the Secretary.

C 275

LAMBETH HOSPITAL, BROOK DRIVE, S.E.11

(Acute General Hospital, 510 beds)
Senfor Pharmacist
Applications are invited for the post of Senior Pharmaclst in a department which is being enlarged with consequent increase in the number of staff. The possibility of making this a resident appointment would be considered, Salary (plus London Weighting) in accordance with Whitley Council Scale, Applications, stating age, experience, qualifications and names of two referees to the Secretary.

C 277

LEICESTER ISOLATION HOSPITAL & CHEST UNIT

HOSPITAL & CHEST UNIT, GROBY ROAD, LEICESTER
Senlor Pharmacist
Applications are invited for the position of Senior Pharmacist at the above hospital. The appointment will also carry responsibilities for duties connected with the Central Purchase and Supply of drugs, etc., and work at other hospitals in the group under the direction of the Chief Pharmacist, The commencing salary, depending on experience and previous service, is within the scale of £575 p.a. x £25 to £750 p.a., plus £25 allowance for higher qualification. tion.

Apply with the names of two referees, to the Chief Pharmacist, C 5543

Appointments—Continued

MAUDSLEY HOSPITAL,
DENMARK HILL, S.E.5
Locum Pharmacist
required at the above hospital as soon as possible. Salary 16 guineas per week, Apply to
K. J. Johnson, House Governor and Secretary,
Maudsley Hospital, Denmark Hill, S.E.5.
C 5570

MILLER GENERAL HOSPITAL, GREENWICH, S.E.10 (180 Beds)

(180 Beds)
Assistant-in-Dispensing
required at above hospital, Salary according to
age and experience (max, £465 p.a., at 29 yrs.)
plus London Weighting and qualification allowance if over 18 years. Superannuable post.
Apply Chief Pharmacist (Tel.: TIDeway 1136).
C 5518

NATIONAL PHARMACEUTICAL UNION

UNION
Pharmacist
required; also a widely experienced unqualified
person for Information Department, Duties
require an enquiring mind and the ability to
deal with extensive range of enquiries on pharmaceutrical, medical and allied subjects, Applications stating salary required, to Secretary,
National Pharmaceutical Union, 4/5 Queen
Square, London, W.C.1. C 3938

NORTH WEST DURHAM HOSPITAL MANAGEMENT COMMITTEE,

COMMITTEE,
SHOTLEY BRIDGE GENERAL
HOSPITAL, co. DURHAM
Senlor Pharmacist
Applications are invited from registered pharmacists for the above appointment, Department equipped with facilities for manufacturing and sterile work, Salary £575 by annual increments to £775. Whitley Council conditions.
Applications giving details of age, qualifications and experience, together with names of two referees, to the Group Secretary, Shotley Bridge General Hospital, Shotley Bridge, Consett, co. Durham, immediately.

NORWOOD HOSPITAL.

NORWOOD HOSPITAL

NORWOOD HOSPITAL

(38 beds)

Part-time Pharmacist

Three sessions weekly, A.M. Monday, Wednesday, Friday, Rate 31s, per session, Applications in writing to G. A. Paines, Group Secretary, Croydon Hospital Management Committee, General Hospital, London Road, Croydon, C 5508

ST. ALFEGE'S HOSPITAL,

ST. ALFEGE'S HOSPITAL,
GREENWICH, S.E.10
(a) Deputy Chief Pharmacist
Applications are invited for the above post.
Salary £655-£880 p.a.
(b) Senior Pharmacist
salary £605-£805 p.a., in a well-equipped department at the above hospital, which may be inspected by arrangement with the Chief Pharmacist. Whitley Council conditions, Applications to Acting Secretary, G. & D.H.M.C., at above hospital.

STAFFGE'S HOSPITAL

ST. ALFEGE'S HOSPITAL,
GREENWICH, S.E.10

Locum Pharmacist
(long- or short-term) required. Salary 16-17
guineas weckly, according to experience, Apply
Chief Pharmacist at hospital (Tel.: Gre. 2655).

ST. LUKE'S HOSPITALS, BRADFORD, 5

Pharmacist required, General and Maternity Hospital Unit, Salary in the range £500-£725 per annum. Apply Hospital Secretary. C 5530

THE LONDON HOSPITAL, E.1

THE LONDON HOSPITAL, E.1
Senior Pharmacist
Experienced pharmacist required for this post in Category V Teaching Hospital, Age, qualifications and experience to Secretary, The London Hospital, Whitechapel, E.1.

THE ROYAL INFIRMARY,
SUNDERLAND
Pharmacist

Pharmacist
required for the Royal Infirmary with service
at the Children's Hospital; salary £500 x £25
(3)—£757 x £30 (5)—£725, if aged 23 or over;
Whitley Council conditions.
Apply immediately, naming two referees, to the
Hospital Secretary, Royal Infirmary, SunderLand C 5541

TOOTING BEC HOSPITAL,

TOOTING BEC HOSPITAL,
TOOTING BEC ROAD,
LONDON, S.W.17
Pharmaelst
required at the above hospital. Salary and conditions of service in accordance with those laid down by the Pharmaceutical Council, plus London Weighting, Apply giving details to Superintendent of hospital. C 5563

WALTON HOSPITAL, LIVERPOOL, 9

Pharmacist

Applications are invited for a post as pharmacist in the newly modernised dispensary at Walton Hospital, Salary in accordance with Health Service scales, Apply to Secretary,

C 5540

WHITTINGHAM HOSPITAL, NEAR PRESTON, LANCS

NEAR PRESION, Senior Pharmacist (either sex) required, Salary £575 x £30 (5) x £25 (2)—£775, Applications to the Secretary as

WILTSHIRE COUNTY COUNCIL Deputy Chief Pharmacist
Applications invited from pharmacists for superannuable appointment of Deputy Chief Pharmacist at SWINDON HEALTH CENTRE, Salary
£625 to £850, Thirty-nine hour week, Council
house available for rent,
Applications stating age, qualifications, experience and names and addresses of three referees
to be sent to the undersigned as soon as possible.

P. A. SELBORNE STRINGER, Clerk of the County Council.

County Hall, Trowbridge,

SITUATIONS VACANT

12/- for 36 words (min.) then 4d, per word. Box 2/-

RETAIL (HOME)

DONCASTER CO-OPERATIVE CHEMISTS
LTD. require the services of pharmacist (male or female) as branch manager, Payment on "sales" scale, plus bonus, Salary at smallest branch over £900 per year, Rota payment extra. All shops in prosperous industrial areas where sales increases are possible, 44 hour week. Applications, with usual particulars to the Superintendent Chemist, Doncaster Co-operative Chemists Ltd., P.O. Box 20, Doncaster.

the Superintendent Chemist, Doneaster Cooperative Chemists Ltd., P.O. Box 20, Doneaster C. 278.

LADY DISPENSING ASSISTANT for country practice, Northumberland, Certificate desirable but not necessary, Good salary for suitable person with experience, Furnished cottage available, Two referees, Box C 3910.

LONDON, Assistants with knowledge of dispensing required for vacancies in N.W., and N., postal areas. Congenial and progressive positions, Normal hours, Salary according to experience and age. Apply with full particulars of previous experience to Box C 5483.

MARBLE ARCH, (Near), Pharmacist of proved ability required to manage attractive and modern shop with varied dispensing connection. There is an excellent opportunity of a substantial salary and bonus. Good supporting staff and modern equipped dispensary, etc. Permanency with superannuation benefits, Apply with full details stating when available for interview to Box C 3921.

QUALIFIED CHEMIST required by Liverpool firm with a view to managing new branch openings shortly, Good salary, prospects and working conditions, New flat available over premises. Post would particularly suit young married man. Replies to Box C 3928.

SOUTHALL, Pharmacist required with interest in photography to manage a good-class establishment in this area, Splendid opportunity for promotion with good supporting staff and development is assured, Flat accommodation can be provided if desired, Apply with full details stating when available for interview to Box C 3922.

VACANCY OCCURS for lady dispenser, Counter experience an advantage, Most congenial post with full supporting staff in delightful country surroundings. Apply, R. McCoy, Tenbury Wells, Wores.

LOCUMS WANTED

BIRMINGHAM - LOCUM PHARMACIST, male or female, required immediately for short period, also for next season. No rota duties. Competent and adequate staff for both dispensing and counter work. Apply in writing stating dates free, terms, etc., to Superintendent Chemist, Birmingham Co-operative Society Ltd., 422-4 Coventry Road, Birmingham, 10. C 3930

WHOLESALE

AN EXCELLENT SALARY (plus other financial benefits and non-contributory pension scheme) offered to Representative with sound experience of nationally advertised proprietary products, Man appointed will cover Chemists in Essex, Please write in full detail to Box

ALLIED LABORATORIES, LTD.

MEDICAL REPRESENTATIVE required to
take over well-established territory comprising Sussex, part of Surrey and Berks.
Previous experience desirable and first-class
pharmaceutical background essential. Applicants should reside in Sussex and be car
owners, Remuneration by arrangement, Life
Assurance and Pension Scheme available
to established staff, Please write full details
in strict confidence to Allied Laboratories,
Ltd., 140 Park Lane, London, W.1. C550

ARE YOU DETERMINED to make Selling

ARE YOU DETERMINED to make Selling your career? If so, and you are:—

(a) Between 25 and 30 years of age.
(b) Fully mobile and in possession of a clean car driver's licence.
(c) At present engaged in retail pharmacy or have experience in selling to chemists.

or have experience in selling to chemists.

(d) Prepared to undergo 6 months detailed training at these offices as a preliminary to appointment to our chemist sales force,
you should apply immediately for appointment as trainee chemist salesman; salary according to qualifications will be paid during training; apply in writing, giving full details to H.S.M., S., Maw, Son & Sons, Limited, Aldersgate House, Cromer Road, New Barnet, Herts.

C 5524

CONTROL LABORATORY. Two unqualified assistants required for laboratory dealing with wide range of pharmaceutical preparations. Apply Factory Manager, Messrs Savory & Moore, Ltd., 26 Lawrence Road, N.15, C 5568

CHIEF CHEMISTS AND ASSISTANT CHEMISTS

Are you satisfied with your progress? We are a rapidly expanding company of international repute, manufacturing pharmaceuticals and cosmetics with laboratories in Southern England, and are prepared to offer £250 a year over present salary to the man we are seeking. Further success and advancement depends entirely on the individual, Candidates must possess degree in chemistry or equivalent, But drive and enthusiasm are the main attributes, Write in detail and strict confidence giving age, education, qualifications and experience to Box C 5547.

H. E. DANIEL, LTD., St. Bernard Works, London, S.E.19, suppliers of raw materials to the following trades, require a representative to call upon mineral water and confectionery manufacturers, perfumery and soap manufacturers, manufacturing chemists and wholesale druggists, in London and Home Counties, Experience desired. Salary, commission, superannuation and car provided, Apply in confidence, with full details to the Managing Director. C 261

EXPERIENCED ANALYST required in laboratories of London pharmaceutical company equipped with modern instruments. An interesting position offering a varied experience under congenial conditions. Good canteen and pension scheme. Attractive salary to suitable applicant. Apply, with full details to chief chemist, Menley & James, Ltd., 120 Coldharbur Lane, London, S.E.5.

REPRESENTATIVE REQUIRED

THE CHAS, H. PHILLIPS CHEMICAL CO. LTD., require a representative for DURHAM and NORTHUMBERLAND, must be resident on territory to contact the trade and selected professions. Progressive position; salary, full expenses, superanuation, car provided, Sound retail pharmaceutical background essential. Please forward detailed applications to SALES DIRECTOR, 179 Acton Vale, LONDON, W.3. C 5567



Situations Vacant—Continued

FOREMAN TABLET Maker/Coater required by progressive company. Five-day week, can-teen facilities, pension scheme, Applicants abould give full details of experience and salary required to Box C 3935.

GENATOSAN LIMITED

(A member of the Fison group of Companies)

PHARMACIST required for development work in Pharmaceutical Development Laboratory, Previous experience in formulation work, especially tablet manufacture, would be an advantage but is not essential. Keen interest in recent advances in the pharmaceutical field and in the successful development of new products to the full-scale manufacturing stage, is required. The post offers a good progressive salary, working conditions are excellent and there is a contributory pension scheme. Applications, giving details of age, education and experience to: The Personnel Officer, Genatosan, Ltd., 12 Derby Road, Loughborough, Leics.

LEWIS WOOLF, LTD., manufacturers of "Griptight" nursery requisites require a salesman with a successful record in the chemists' sundries field for (a) North of England and Scotland; (b) London and the South, Age limit 50. Salary, expenses and commission. Apply by letter only, Lewis Woolf, Ltd., 144 Oakfield Road, Selly Oak, Birmingham, 29. C5550 MAN OR WOMAN with experience in assembling chemists' orders required for patent and ethical department, Saturday half day, Full Saturday off in turn, Good prospects and conditions. Apply, Manager, Joseph Brooks & Co. Ltd., 17 Robert Street, Cheetham, Manchester 3. C 3926

autons, Apply, Manager, Joseph Brooks & Co. Ltd., 17 Robert Street, Cheetham, Manchester 3. C 3926

MANUFACTURERS of well known toilet preparations changing their sales policy, wish to appoint representatives in the counties of Notts, Derby, Leicestershire, Northampton, East Anglia, Surrey, Sussex, Kent and Wales to call on chemists and stores on commission basis and car allowance. Lines are well introduced all over the country and sales are supported by intensive advertising. Please state territory covered and lines carried, Box C 3941.

M.P.S. with analytical and manufacturing experience required by manufacturing Chemists in Midlands, progressive position, five day week. Apply in confidence stating age, experience and salary required to Box C 3939.

MEDICAL REPRESENTATIVES required by London manufacturing chemists to call on doctors, dentists, hospitals and chemists. Experience of medical detailing an advantage but not essential if applicant has a good pharmaceutical background. Applications invited from pharmacists, 25 to 40 years of age, stating experience and salary required. Box C 264.

OLD-ESTABLISHED FIRM of pharmaceutical manufacturers has vacancies for a pharmacist and also a science graduate with experience of harmaceutical analysis and production techniques. Successful applicants will assist Chief Chemist in supervision of production, quality controls and development work, Five-day week. Salary range £800-£950 according experience. Willows Francis, Ltd., 73 Shacklewell Lane, E.8. C 5538

BURROUGHS WELLCOME & CO.,

on behalf of their agents in Rhodesia, wish to appoint a young pharmacist. This appointment provides interesting and progressive opportunities to a candidate with an aptitude for selling who has a desire to make a career in a rapidly developing country. The climate is excellent and a good salary and working conditions are provided. Apply with full details to Ref. MI/LPN, Burroughs Wellcome & Co., The Wellcome Building, Euston Road, London, N.W.1.

MEDICAL REPRESENTATIVES

With pharmaceutical or medical background required by large firm of manufacturing chemists to interview doctors, hospitals and chemists in the following areas:

MANCHESTER AND EAST LANCASHIRE (residence in Manchester preferable)

BOURNEMOUTH AND SOUTHAMPTON (residence in Bournemouth preferable)

(residence in Bournemouth preferable)
YORKSHIRE AND NOTTINGHAM
(residence in Leeds area preferable)
Car provided, Salary and expenses, Pension scheme, Apply giving age and full details of qualifications and experience.
Essential also to state salary required.
Box C 5552.

MEDICAL REPRESENTATIVE required by ethical manufacturers for Hants/Wilts area based on Southampton and including Bourne-mouth and Portsmouth, Previous representative experience is desirable and either pharmaceutical qualification or pharmaceutical/medical background necessary, Residence in area essential, Good salary and expenses; excellent prospects for the right man who will be joining an expanding company. Car provided. Superannuation scheme, State salary expected and date available, Applications in confidence to Sales Manager, Bayer Products, Ltd., Neville House, Eden Street, Kingston-on-Thames, Surrey.

OPPORTUNITY OCCURS for young man with pharmaceutical background to act as re-presentative for wholesale chemists in S.E. Lanes. Existing territory requires filling in and expanding. Salary £450 per annum, expenses, and commission on sales of drugs and galeni-cals. Give all relevant details in confidence to Box C 5560.

PHARMACEUTICAL MANUFACTURERS, West London, require young man as assistant to production director. Some knowledge of packaging an advantage, together with keenness and ability to organise personnel, Good salary. Apply, Box C 5514.

PRODUCTION CHEMIST, 25-35 years of age, advantage of the particular of the production o

PRODUCTION CHEMIST, 25-35 years of age, required by rapidly expanding toilets and cosmetics firm as first assistant to the present works manager. Good salary with guaranteed yearly increase to the right person, Apply in strict confidence to Box C 276.

increase to the right peason, the confidence to Box C 276.

SALES EXECUTIVE, William R, Warner & Co., Ltd., require a sales executive for their ethical pharmaceutical products. The successful applicant will be expected shortly to assume the duties of sales manager. Applicants should have had experience of all aspects of medical representation and have a good knowledge of planning and control of this type of work. Commencing salary according to qualification and experience and will be adequate to attract an experienced and enthusiastic executive. The company has a generous, non-contributory pension scheme. Applications, stating age, qualifications, positions held and salary earned, should be sent to Director, William R, Warner & Co., Ltd., Power Road, London, W.4. C 5565

YOUNG MAN required to train as sales representative for unique and well established beauty accessories firm with view to early appointment as Sales Manager, Congenial position for man with right personality, Write giving usual particulars to Box C 3943,

UNQUALIFIED (MALE) PROCESS WORKER required to act as assistant foreman in manufacturing laboratory of one of the leading London drug houses, Five-day week, pension scheme, and canteen facilities. Apply giving age, experience, and salary expected to Box C 536.

WOMAN PHARMACIST required by The British Drug Houses, Ltd., for a permanent post in the Dispensary, Five-day week, Pension and Profit Sharing Schemes, Apply in writing, stating age, experience and salary required to the Staff Manager (Ref: B 8970), Graham Street, City Road, N.1.

WHOLESALE (OVERSEAS)

NEW ZEALAND. Fisons Chemicals (Export), Ltd., invite applications for the post of resident representative in New Zealand, Applicants, preferably single, should have a good background of detailing medical specialities and of selling consumer products, Training will be provided by the manufacturing companies, Benger Laboratories, Ltd., and Genatosan, Ltd., before the successful candidate leaves for New Zealand, Salary is in keeping with an important appoint-Salary is in keeping with an important appointment and the position is progressive and pensionable. Write in confidence, giving details of qualifications and experience to the Personnel Officer (DP), Fisons, Ltd., Harvest House, Felixstowe, Suffolk.

RHODESIA. A leading pharmaceutical house invites applications from suitably qualified persons to fill an important vacancy in the sales force of their Branch Organisation in Salisbury. This position will appeal to young single pharmacists, agcd 25-32, with sound retail or hospital background, Representative experience will carry some measure of preference. The position offers scope for advancement to senior status within a growing organisation. Full training will be given in the U.K. Apply initially in writing to Box C 5554.

AGENTS WANTED

17/6 for 36 words (min.) then 4d. per word. Box 2/-

AGENTS throughout the United Kingdom required by company manufacturing a unique Dog-Candy product and accessory. The company's products are well established in the Pet-Food trade, but offer considerable scope to energetic agents calling on chemists. Write Box C 3912, stating territory covered, number of retail contacts, and time taken to cover area. Exclusive agencies will be considered.

COMMISSION AGENT required to sell perfume compounds to hairdressers and chemists, Favourable terms offered, Write Box C 5566.

FAMOUS FRENCH PERFUME HOUSE FAMOUS FRENCH PERFUME HOUSE wishes to appoint agents in the British Isles. Medium price range, Must have proved connection with stores and chemists. Write Box C 5564

BOTTLES FOR SALE

3,000 GROSS OF 6 OZ. PLAIN MEDICAL FLAT BOTTLES, CLEAR GLASS, SCREW NECK TO TAKE A 22 M.M. SCREW CAP.

Packed 3 dozen in a carton with divisions.

A feature of this stock is the cartons with divisions can be used after the Bottles have been filled.

PRICE 13/- PER GROSS

FOR NOT LESS THAN 250 GROSS LOTS

RELIANCE TRADING CO.

13 NEW COLLEGE PARADE, FINCHLEY ROAD, LONDON, N.W.3 13 NEW COLLEGE PARADE, PROMOSE PRIMITOSE 56II & 3167. Grams: "Gordon" Primrose 56II CS529

BERDOE & FISH

Chemists' Transfer Agents and Valuers

41 ARGYLE SQUARE, KING'S CROSS, W.C.I (opposite St. Pancras and King's Cross Stations)

Wanted immediately good class businesses in London, Home Counties and South Coast. Private clients waiting with cash up to £10,000.

 All Valuations and Stocktakings, carried out under personal supervision of principals.

Established 1870

Phone: TERminus 3574

SITUATIONS WANTED

3/- for 18 words (min.) then 2d. per word.

WHOLESALE

ENERGETIC MAN, aged 30, good education, excellent references, 10 years' retail dispensing, seeks position as representative with firm of good repute. Preferably Eastern Counties, Car, clean driving licence, Box C 3917.

EX DIRECTOR of sundries house, with a personal connection in Surrey, Sussex, parts Hants and Berks, desires position with reputable firm. Own car. Has also general knowledge of office routine in all depts, Sound knowledge of chemness, H.P., 24 Howard Road, New Surrey.

WANTED by young man experienced in drug

WANTED by young man experienced in drug and chemical sales (home and export) a position offering genuine prospects of advancement, and a salary commensurate with age and ability. Must be London area. Box C 3931.

WANTED

17/6 for 36 words (min.) then 4d. per word. Box 2/-

CAPS, cartons, packaging materials and manufacturers' stocks of all kinds bought at fair prices for spot cash, We are buyers of merchandise of EVERY DESCRIPTION. Clearance Stocks, Discontinued lines, Surplus and Redundant Stocks, Should you have anything for disposal, please send us samples and particulars, Reliance Trading Co., 13 New College Parade, Finchley Road, N.W.3, C 153 REQUIRED IMMEDIATELY, Cowles tube closing machine No. 2, type "A," hand or power operation, Would be prepared to purchase outright, or hire until maker's delivery takes place. Visual Efficiency Ltd., 19/22 Victoria Villas, Richmond, Surrey. C 3927 TITANIUM DIOXIDE Anatase and Ruttle, chase outright, the states place. Visual Efficiency Ltd., 19/22 Victoria Villas, Richmond, Surrey. C 3927
TITANIUM DIOXIDE Anatase and Ruttle, any quantitles, please forward details. Offers will be treated in strict confidence, Reply Box 64006.

will be treated in strict confidence, keepiy 905 (5496.

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone:—Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11.

Tel.: Bayswater 4020 and 7692 C 140

TENDERS

MANCHESTER REGIONAL HOSPITALS
JOINT CONTRACTING
Tenders are invited for the supply of vitamins, hormones, tablets, anæsthetics, radiologicals, ampoules and selected fine chemicals and drugs for a period of 12 months commencing November 1, 1956, to 30 Hospital Management Committees in the Region.
Tender forms may be obtained from the Supplies Officer at the undermentioned address and must be returned not later than Wednesday, september 5, 1956.
The Wigan and Leigh Hospital Management Committee, acting on behalf of the other Management Committees concerned does not bind itself to accept the lowest or any tender. Knowsley House, T. W. HURST, Wigan Lane, Secretary. Wigan Lane Wigan, Lancs



TELEPHONE

your classified advertisement

GEN 6565

by 12 Noon Wednesday for same week, subject to space available.

MISCELLANEOUS SALES

17/6 for 36 words (min.) then 4d. per word. Box 2/-

100 BAYS of brand new adjustable steel shelving, 72 in, high by 34 in, wide by 12 ia. deep, stove-enamelled bronze green, Sent knocked down—6 shelf bay—£3 15s. Sample delivered free. N. C. Brown, Ltd., Eagle Steelworks, Heywood, Lancs. C 5484

CHAMOIS LEATHERS

SPECIAL OFFER I Approximate size 26" x 14", Individually transparent wrapped, Only 4/11d, per skin (minlmum order 12 skins), Attractive show board free I Discount for quantities:—1 Kip (30) less 5 per cent.; 5 Kips less 7½ per cent.; 10 Kips less 10 per cent. Order now i County Chamois Co., Ltd., Rocky Lane, Aston Cross, Birmingham, C 5452

LARGE QUANTITIES soluble saccharine tablets, saccharine 25% available, Box C 3914. MODERN CHEMIST SHOPFITTINGS, drug ranges, wall cases and frameless sliding doors. display counters and showcases, all types of window fittings and display stands. D. Matthews & Son, Ltd., Complete Chemist ShopFitters & Shop Front Builders, 14-16 Manchester Street, Liverpool, SURPUS STOCKS, About 200 gross each No. 1 and No. 5 TABLET BOTTILES, and 1 oz. round Amber Jars, all with white enamelled caps. Accept low price to clear, smaller lots considered. Offers to Box C 3940, THE SMALLEST ROOM needs Jumbo crepe toilet rolls, 337- gross, Carnos fine balance sulphate toilet roll, 667- gross, Free delivered. Sea journeys extra, Send 17- for sample rolls. Stock lists free on request, L. Frankenbers, Ltd., Manufacturers' Wholesale Distributors, 37 Houndsditch, London, E.C.3.

DEVELOPING AND PRINTING 18/- per half inch (min.) and pro rata. Box 2/-

MEDIUM SIZED D. & P. WORKS established 16 years, with enthusiastic management and staff and with the very latest equipment, would welcome your latest equipment, would welcome your return but quality is not sacrificed, P.D.A. prices and discounts, We are members of P.D.A., W.P.F.A., and I.B.P. Mr. L. H. Morgan, Gwent Photographic Service, Snatchwood Works, Pontypool, Mon. Tel.: Talywain 355.

-IMPORTANT-

Box Office numbers are intended exclusively for specific answers to particular advertisements. Price Lists, Trade Circulars, Samples and Printed Matter cannot be forwarded.

CHEMIST'S DICTIONARY OF-MEDICAL TERMS 7th Edition

Prepared primarily for pharmacists, the Dictionary is indispensable also for pharmacista, the Dictionary is indispensable also for pharmaceutical manufacturers, advertising agents concerned with the marketing of medicinal products and indeed all who have to find their way around among the multifarious medicinal compounds of modern times. PRICE 17/6, Postage 9d

Order direct from:

THE CHEMIST & DRUGGIST

ONLY

ONLY 28 ESSEX STREET, STRAND, LONDON, W.C.2

Printed by The HAYCOCK PRESS, LTD., 106-140 Neate Street, Camberwell, S.E.5, and published by the Proprietors, Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2.





EMBODIES
EVERYTHING
THE BEAUTY
EXPERTS
ADVISE!

THE SOAP THAT
ANSWERS A GROWING NEED

Cussons Cold Cream Soap is a beauty soap made to the specification of beauty experts. It is bland, neutral and superfatted, it embodies Lanoline Cream, and in quality is typical of the high Cussons standard. Nationally advertised in leading women's magazines, Cussons Cold Cream Soap is a certain success, giving you a quicker turnover and a larger margin of profit. Stock and display Cussons Cold Cream Soap.

CUSSONS SONS & CO. LTD · KERSAL VALE · MANCHESTER 7





'Savlon' Liquid Antiseptic is ideal for household use. Containing two of the most powerful and modern antiseptics — 'Hibitane' and 'Cetavlon' — 'Savlon' cleans and disinfects at one and the same time.

Its unparalleled range of activity against bacteria, its safety and pleasantness in use, are features which will appeal to every customer. Stock and display this new home antiseptic — attractive window and counter showcards are available on request.



Savlon LIQUID ANTISEPTIC

Retail Price 2/9d. per 6oz. bottle (including 5½d. Purchase Tax). Subject to the usual trade discounts.



Savlon' is the trade mark of Imperial Chemical (Pharmaceuticals) Limited, Wilmslow, Cheshire, a subsidiary company of Imperial Chemical Industries Limited